Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11340.32	43.56	54.00	-10.44	27.79	10.02	38.93	33.18	267	301	Average	HORIZONTAL
2	11347.04	56.67	74.00	-17.33	40.90	10.02	38.93	33.18	267	301	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11330.88	44.56	54.00	-9.44	28.79	10.02	38.93	33.18	221	223	Average	VERTICAL
2	11346.88	57.33	74.00	-16.67	41.56	10.02	38.93	33.18	221	223	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11504.44	44.96	54.00	-9.04	28.84	10.10	39.20	33.18	136	236	Average	HORIZONTAL
2	11509.40	57.95	74.00	-16.05	41.84	10.10	39.20	33.19	136	236	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11511.48	45.49	54.00	-8.51	29.38	10.10	39.20	33.19	156	90	Average	VERTICAL
2	11515.84	58.34	74.00	-15.66	42.23	10.10	39.20	33.19	156	90	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11580.76	45.25	54.00	-8.75	29.12	10.13	39.20	33.20	272	288	Average	HORIZONTAL
2	11583.80	58.67	74.00	-15.33	42.52	10.15	39.20	33.20	272	288	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11583.48	45.19	54.00	-8.81	29.06	10.13	39.20	33.20	226	104	Average	VERTICAL
2	11597.60	58.46	74.00	-15.54	42.32	10.15	39.20	33.21	226	104	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 22, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.90	43.19	54.00	-10.81	28.05	9.88	38.45	33.19	215	122	Average	HORIZONTAL
2	11064.65	56.29	74.00	-17.71	41.08	9.89	38.51	33.19	215	122	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.86	56.78	74.00	-17.22	41.64	9.88	38.45	33.19	173	224	Peak	VERTICAL
2	11060.13	43.23	54.00	-10.77	28.02	9.89	38.51	33.19	173	224	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11211.84	56.19	74.00	-17.81	40.70	9.96	38.72	33.19	174	289	Peak	HORIZONTAL
2	11229.96	43.33	54.00	-10.67	27.78	9.97	38.77	33.19	174	289	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11224.80	55.61	74.00	-18.39	40.06	9.97	38.77	33.19	161	146	Peak	VERTICAL
2	11228.64	43.30	54.00	-10.70	27.75	9.97	38.77	33.19	161	146	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11545.08	45.37	54.00	-8.63	29.24	10.12	39.20	33.19	136	274	Average	HORIZONTAL
2	11552.28	58.50	74.00	-15.50	42.37	10.13	39.20	33.20	136	274	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11552.04	58.28	74.00	-15.72	42.15	10.13	39.20	33.20	155	193	Peak	VERTICAL
2	11555.28	45.29	54.00	-8.71	29.16	10.13	39.20	33.20	155	193	Average	VERTICAL

Straddle Channel

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11429.20	58.74	74.00	-15.26	42.76	10.07	39.09	33.18	259	35	Peak	HORIZONTAL
2	11443.70	45.99	54.00	-8.01	30.01	10.07	39.09	33.18	259	35	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.40	46.46	54.00	-7.54	30.48	10.07	39.09	33.18	171	333	Average	VERTICAL
2	11450.50	58.64	74.00	-15.36	42.59	10.08	39.15	33.18	171	333	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11424.00	45.42	54.00	-8.58	29.44	10.07	39.09	33.18	252	153	Average	HORIZONTAL
2	11460.40	58.01	74.00	-15.99	41.96	10.08	39.15	33.18	252	153	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.90	58.21	74.00	-15.79	42.23	10.07	39.09	33.18	153	333	Peak	VERTICAL
2	11440.20	45.85	54.00	-8.15	29.87	10.07	39.09	33.18	153	333	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11423.32	45.43	54.00	-8.57	29.45	10.07	39.09	33.18	190	228	Average	HORIZONTAL
2	11429.88	58.31	74.00	-15.69	42.33	10.07	39.09	33.18	190	228	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11422.44	45.56	54.00	-8.44	29.58	10.07	39.09	33.18	293	78	Average	VERTICAL
2	11426.48	58.59	74.00	-15.41	42.61	10.07	39.09	33.18	293	78	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 17, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11381.20	57.24	74.00	-16.76	41.39	10.04	38.99	33.18	157	172	Peak	HORIZONTAL
2	11390.00	45.05	54.00	-8.95	29.14	10.05	39.04	33.18	157	172	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11386.36	44.98	54.00	-9.02	29.07	10.05	39.04	33.18	143	294	Average	VERTICAL
2	11389.52	57.75	74.00	-16.25	41.84	10.05	39.04	33.18	143	294	Peak	VERTICAL

802.11ac MCS0/Nss2 VHT80+80

Temperature	22℃	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 9 / CH 106+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11055.58	43.48	54.00	-10.52	28.35	10.67	39.14	34.68	132	250	Average	HORIZONTAL
2	11059.10	56.39	74.00	-17.61	41.26	10.67	39.14	34.68	132	250	Peak	HORIZONTAL
3	11377.82	57.21	74.00	-16.79	41.68	10.72	39.54	34.73	135	305	Peak	HORIZONTAL
4	11383.56	43.88	54.00	-10.12	28.35	10.72	39.54	34.73	135	305	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.12	43.58	54.00	-10.42	28.45	10.67	39.14	34.68	126	273	Average	VERTICAL
2	11058.04	55.84	74.00	-18.16	40.71	10.67	39.14	34.68	126	273	Peak	VERTICAL
3	11375.74	43.66	54.00	-10.34	28.13	10.72	39.54	34.73	138	212	Average	VERTICAL
4	11380.50	56.18	74.00	-17.82	40.65	10.72	39.54	34.73	138	212	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 10 / CH 106+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11062.24	56.80	74.00	-17.20	41.63	10.67	39.18	34.68	101	118	Peak	HORIZONTAL
2	11064.64	43.34	54.00	-10.66	28.17	10.67	39.18	34.68	101	118	Average	HORIZONTAL
3	11548.10	57.34	74.00	-16.66	41.68	10.75	39.67	34.76	110	139	Peak	HORIZONTAL
4	11553.24	43.93	54.00	-10.07	28.28	10.76	39.65	34.76	110	139	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11058.96	43.34	54.00	-10.66	28.21	10.67	39.14	34.68	124	166	Average	VERTICAL
2	11064.20	55.91	74.00	-18.09	40.74	10.67	39.18	34.68	124	166	Peak	VERTICAL
3	11550.86	43.99	54.00	-10.01	28.34	10.76	39.65	34.76	114	185	Average	VERTICAL
4	11553.18	57.51	74.00	-16.49	41.86	10.76	39.65	34.76	114	185	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 11 / CH 122+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.62	56.15	74.00	-17.85	40.81	10.70	39.34	34.70	103	175	Peak	HORIZONTAL
2	11219.86	43.24	54.00	-10.76	27.90	10.70	39.34	34.70	103	175	Average	HORIZONTAL
3	11547.04	57.12	74.00	-16.88	41.46	10.75	39.67	34.76	108	105	Peak	HORIZONTAL
4	11549.40	44.98	54.00	-9.02	29.32	10.75	39.67	34.76	108	105	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11216.00	55.69	74.00	-18.31	40.35	10.70	39.34	34.70	121	66	Peak	VERTICAL
2	11224.08	43.22	54.00	-10.78	27.85	10.70	39.38	34.71	121	66	Average	VERTICAL
3	11549.90	56.43	74.00	-17.57	40.77	10.75	39.67	34.76	117	125	Peak	VERTICAL
4	11551.32	43.85	54.00	-10.15	28.20	10.76	39.65	34.76	117	125	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 12 / CH 138+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11376.30	56.44	74.00	-17.56	40.91	10.72	39.54	34.73	141	223	Peak	HORIZONTAL
2	11380.64	43.82	54.00	-10.18	28.29	10.72	39.54	34.73	141	223	Average	HORIZONTAL
3	11546.00	57.22	74.00	-16.78	41.56	10.75	39.67	34.76	133	343	Peak	HORIZONTAL
4	11553.20	44.16	54.00	-9.84	28.51	10.76	39.65	34.76	133	343	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.76	43.73	54.00	-10.27	28.20	10.72	39.54	34.73	123	112	Average	VERTICAL
2	11377.80	57.17	74.00	-16.83	41.64	10.72	39.54	34.73	123	112	Peak	VERTICAL
3	11545.10	43.97	54.00	-10.03	28.31	10.75	39.67	34.76	127	176	Average	VERTICAL
4	11552.82	57.39	74.00	-16.61	41.74	10.76	39.65	34.76	127	176	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 14 / CH 106+122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.96	56.44	74.00	-17.56	41.31	10.67	39.14	34.68	132	26	Peak	HORIZONTAL
2	11063.58	43.41	54.00	-10.59	28.24	10.67	39.18	34.68	132	26	Average	HORIZONTAL
3	11218.78	56.67	74.00	-17.33	41.33	10.70	39.34	34.70	154	11	Peak	HORIZONTAL
4	11222.60	43.29	54.00	-10.71	27.92	10.70	39.38	34.71	154	11	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.10	43.44	54.00	-10.56	28.31	10.67	39.14	34.68	159	21	Average	VERTICAL
2	11059.76	55.92	74.00	-18.08	40.79	10.67	39.14	34.68	159	21	Peak	VERTICAL
3	11219.10	56.22	74.00	-17.78	40.88	10.70	39.34	34.70	156	66	Peak	VERTICAL
4	11219.64	43.13	54.00	-10.87	27.79	10.70	39.34	34.70	156	66	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 15 / CH 122+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.28	56.66	74.00	-17.34	41.32	10.70	39.34	34.70	102	119	Peak	HORIZONTAL
2	11219.80	43.11	54.00	-10.89	27.77	10.70	39.34	34.70	102	119	Average	HORIZONTAL
3	11378.70	44.95	54.00	-9.05	29.42	10.72	39.54	34.73	107	174	Average	HORIZONTAL
4	11379.92	56.68	74.00	-17.32	41.15	10.72	39.54	34.73	107	174	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.92	43.18	54.00	-10.82	27.84	10.70	39.34	34.70	175	90	Average	VERTICAL
2	11224.20	56.14	74.00	-17.86	40.77	10.70	39.38	34.71	175	90	Peak	VERTICAL
3	11377.68	56.49	74.00	-17.51	40.96	10.72	39.54	34.73	173	20	Peak	VERTICAL
4	11384.48	43.85	54.00	-10.15	28.27	10.73	39.58	34.73	173	20	Average	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

For beamforming mode

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10995.66	42.65	54.00	-11.35	27.58	10.66	39.09	34.68	139	84	Average	HORIZONTAL
2	10999.98	55.14	74.00	-18.86	40.05	10.66	39.10	34.67	139	84	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11001.36	55.58	74.00	-18.42	40.49	10.66	39.10	34.67	137	135	Peak	VERTICAL
2	11004.08	42.67	54.00	-11.33	27.58	10.66	39.10	34.67	137	135	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.62	55.73	74.00	-18.27	40.44	10.69	39.30	34.70	149	68	Peak	HORIZONTAL
2	11163.72	43.75	54.00	-10.25	28.46	10.69	39.30	34.70	149	68	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.48	42.97	54.00	-11.03	27.71	10.69	39.26	34.69	148	147	Average	VERTICAL
2	11157.20	55.58	74.00	-18.42	40.29	10.69	39.30	34.70	148	147	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11396.22	56.29	74.00	-17.71	40.71	10.73	39.58	34.73	169	93	Peak	HORIZONTAL
2	11399.22	43.44	54.00	-10.56	27.86	10.73	39.58	34.73	169	93	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.12	56.62	74.00	-17.38	41.04	10.73	39.58	34.73	168	131	Peak	VERTICAL
2	11396.28	43.43	54.00	-10.57	27.85	10.73	39.58	34.73	168	131	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11485.40	43.40	54.00	-10.60	27.70	10.75	39.70	34.75	157	269	Average	HORIZONTAL
2	11487.16	56.75	74.00	-17.25	41.05	10.75	39.70	34.75	157	269	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11485.90	43.60	54.00	-10.40	27.90	10.75	39.70	34.75	160	321	Average	VERTICAL
2	11490.88	56.25	74.00	-17.75	40.55	10.75	39.70	34.75	160	321	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11566.16	44.54	54.00	-9.46	28.89	10.76	39.65	34.76	153	49	Average	HORIZONTAL
2	11569.38	56.19	74.00	-17.81	40.54	10.76	39.65	34.76	153	49	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11565.84	43.91	54.00	-10.09	28.26	10.76	39.65	34.76	150	200	Average	VERTICAL
2	11571.02	56.88	74.00	-17.12	41.23	10.76	39.65	34.76	150	200	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11645.84	43.86	54.00	-10.14	28.27	10.77	39.59	34.77	147	149	Average	HORIZONTAL
2	11647.72	56.97	74.00	-17.03	41.38	10.77	39.59	34.77	147	149	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.80	43.80	54.00	-10.20	28.21	10.77	39.59	34.77	145	42	Average	VERTICAL
2	11649.82	56.90	74.00	-17.10	41.31	10.77	39.59	34.77	145	42	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.10	55.77	74.00	-18.23	40.68	10.66	39.10	34.67	137	66	Peak	HORIZONTAL
2	11022.80	42.62	54.00	-11.38	27.53	10.66	39.10	34.67	137	66	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11015.56	42.89	54.00	-11.11	27.80	10.66	39.10	34.67	140	120	Average	VERTICAL
2	11024.42	55.21	74.00	-18.79	40.12	10.66	39.10	34.67	140	120	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11097.76	43.35	54.00	-10.65	28.14	10.68	39.22	34.69	119	156	Average	HORIZONTAL
2	11104.84	55.78	74.00	-18.22	40.57	10.68	39.22	34.69	119	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11104.24	55.85	74.00	-18.15	40.64	10.68	39.22	34.69	146	66	Peak	VERTICAL
2	11104.78	43.23	54.00	-10.77	28.02	10.68	39.22	34.69	146	66	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11335.30	43.07	54.00	-10.93	27.57	10.72	39.50	34.72	124	329	Average	HORIZONTAL
2	11340.00	55.60	74.00	-18.40	40.10	10.72	39.50	34.72	124	329	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.98	43.13	54.00	-10.87	27.63	10.72	39.50	34.72	112	222	Average	VERTICAL
2	11338.78	56.09	74.00	-17.91	40.59	10.72	39.50	34.72	112	222	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.50	56.05	74.00	-17.95	40.35	10.75	39.70	34.75	117	188	Peak	HORIZONTAL
2	11513.00	44.42	54.00	-9.58	28.72	10.75	39.70	34.75	117	188	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.38	43.39	54.00	-10.61	27.69	10.75	39.70	34.75	115	6	Average	VERTICAL
2	11509.96	57.17	74.00	-16.83	41.47	10.75	39.70	34.75	115	6	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.76	43.77	54.00	-10.23	28.16	10.76	39.62	34.77	184	231	Average	HORIZONTAL
2	11591.50	56.83	74.00	-17.17	41.22	10.76	39.62	34.77	184	231	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11593.60	44.83	54.00	-9.17	29.22	10.76	39.62	34.77	182	179	Average	VERTICAL
2	11594.92	55.96	74.00	-18.04	40.35	10.76	39.62	34.77	182	179	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 22, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11063.37	56.24	74.00	-17.76	41.03	9.89	38.51	33.19	224	255	Peak	HORIZONTAL
2	11064.81	43.28	54.00	-10.72	28.07	9.89	38.51	33.19	224	255	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11057.48	55.36	74.00	-18.64	40.22	9.88	38.45	33.19	164	151	Peak	VERTICAL
2	11063.80	43.23	54.00	-10.77	28.02	9.89	38.51	33.19	164	151	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11216.14	55.66	74.00	-18.34	40.32	10.70	39.34	34.70	110	47	Peak	HORIZONTAL
2	11219.64	43.27	54.00	-10.73	27.93	10.70	39.34	34.70	110	47	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.10	42.46	54.00	-11.54	27.12	10.70	39.34	34.70	112	66	Average	VERTICAL
2	11223.14	56.72	74.00	-17.28	41.35	10.70	39.38	34.71	112	66	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 30, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.42	43.88	54.00	-10.12	28.22	10.75	39.67	34.76	112	205	Average	HORIZONTAL
2	11548.22	55.89	74.00	-18.11	40.23	10.75	39.67	34.76	112	205	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.38	43.74	54.00	-10.26	28.08	10.75	39.67	34.76	133	151	Average	VERTICAL
2	11554.06	56.98	74.00	-17.02	41.33	10.76	39.65	34.76	133	151	Peak	VERTICAL

Straddle Channel

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11435.68	43.21	54.00	-10.79	27.59	10.74	39.62	34.74	179	75	Average	HORIZONTAL
2	11436.90	55.92	74.00	-18.08	40.30	10.74	39.62	34.74	179	75	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.16	43.43	54.00	-10.57	27.81	10.74	39.62	34.74	162	150	Average	VERTICAL
2	11444.30	56.01	74.00	-17.99	40.39	10.74	39.62	34.74	162	150	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.88	55.77	74.00	-18.23	40.15	10.74	39.62	34.74	208	224	Peak	HORIZONTAL
2	11418.99	43.14	54.00	-10.86	27.52	10.74	39.62	34.74	208	224	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.78	43.10	54.00	-10.90	27.48	10.74	39.62	34.74	103	110	Average	VERTICAL
2	11418.98	56.66	74.00	-17.34	41.04	10.74	39.62	34.74	103	110	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Jul. 31, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.70	43.68	54.00	-10.32	28.15	10.72	39.54	34.73	114	253	Average	HORIZONTAL
2	11384.80	56.39	74.00	-17.61	40.81	10.73	39.58	34.73	114	253	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11382.30	43.60	54.00	-10.40	28.07	10.72	39.54	34.73	114	263	Average	VERTICAL
2	11384.28	56.27	74.00	-17.73	40.74	10.72	39.54	34.73	114	263	Peak	VERTICAL

802.11ac MCS0/Nss2 VHT80+80

Temperature	22℃	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 9 / CH 106+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 12, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.24	56.90	74.00	-17.10	41.77	10.67	39.14	34.68	124	218	Peak	HORIZONTAL
2	11059.97	43.12	54.00	-10.88	27.99	10.67	39.14	34.68	124	218	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.07	56.54	74.00	-17.46	41.41	10.67	39.14	34.68	140	275	Peak	VERTICAL
2	11059.61	44.01	54.00	-9.99	28.88	10.67	39.14	34.68	140	275	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 10 / CH 106+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 12, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.49	42.95	54.00	-11.05	27.82	10.67	39.14	34.68	153	58	Average	HORIZONTAL
2	11059.70	55.69	74.00	-18.31	40.56	10.67	39.14	34.68	153	58	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.72	44.87	54.00	-9.13	29.70	10.67	39.18	34.68	181	259	Average	VERTICAL
2	11062.60	56.76	74.00	-17.24	41.59	10.67	39.18	34.68	181	259	Peak	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 11 / CH 122+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 12, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.71	42.65	54.00	-11.35	27.31	10.70	39.34	34.70	196	225	Average	HORIZONTAL
2	11220.71	56.23	74.00	-17.77	40.89	10.70	39.34	34.70	196	225	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.19	57.32	74.00	-16.68	41.98	10.70	39.34	34.70	172	22	Peak	VERTICAL
2	11220.89	44.28	54.00	-9.72	28.94	10.70	39.34	34.70	172	22	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 12 / CH 138+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 12, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.40	42.71	54.00	-11.29	27.18	10.72	39.54	34.73	154	142	Average	HORIZONTAL
2	11380.95	56.13	74.00	-17.87	40.60	10.72	39.54	34.73	154	142	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.00	56.68	74.00	-17.32	41.15	10.72	39.54	34.73	177	81	Peak	VERTICAL
2	11380.27	43.78	54.00	-10.22	28.25	10.72	39.54	34.73	177	81	Average	VERTICAL

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 14 / CH 106+122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Aug. 12, 2016		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.21	55.67	74.00	-18.33	40.54	10.67	39.14	34.68	145	263	Peak	HORIZONTAL
2	11059.71	42.66	54.00	-11.34	27.53	10.67	39.14	34.68	145	263	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.62	57.78	74.00	-16.22	42.65	10.67	39.14	34.68	182	243	Peak	VERTICAL
2	11060.84	44.44	54.00	-9.56	29.27	10.67	39.18	34.68	182	243	Average	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.7.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.7.3. Test Procedures

The test procedure is the same as section 4.6.3.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

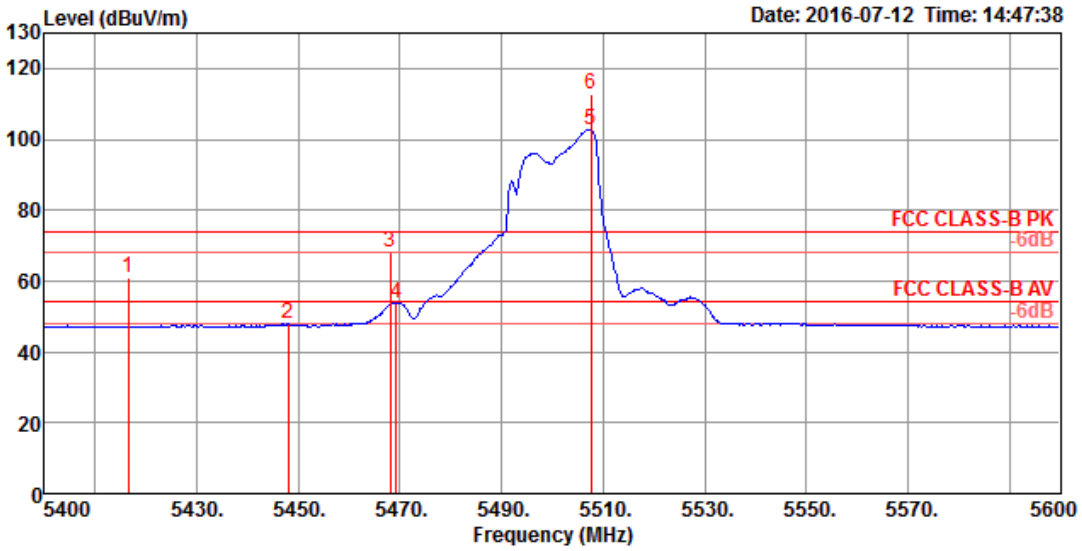
The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

For non-beamforming mode

Temperature	22℃	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4

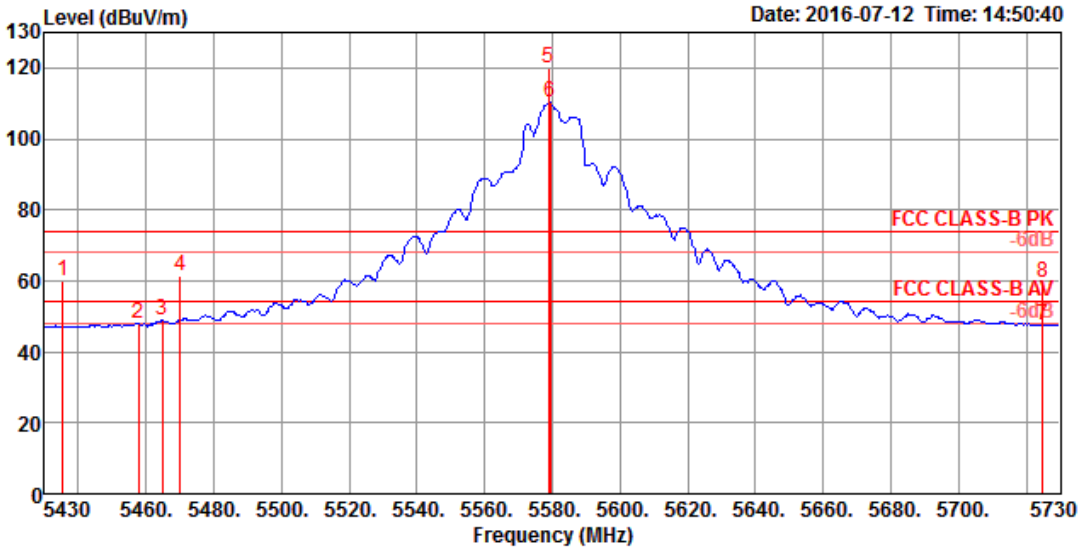
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5416.40	60.73	74.00	-13.27	52.96	7.65	31.74	31.62	300	51	Peak	HORIZONTAL
2	5448.00	47.76	54.00	-6.24	39.98	7.64	31.76	31.62	300	51	Average	HORIZONTAL
3	5468.00	68.35	74.00	-5.65	60.54	7.64	31.78	31.61	300	51	Peak	HORIZONTAL
4	5469.20	53.56	54.00	-0.44	45.75	7.64	31.78	31.61	300	51	Average	HORIZONTAL
5 0	5507.60	102.75			94.94	7.63	31.80	31.62	300	51	Average	HORIZONTAL
6 0	5507.60	112.54			104.73	7.63	31.80	31.62	300	51	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

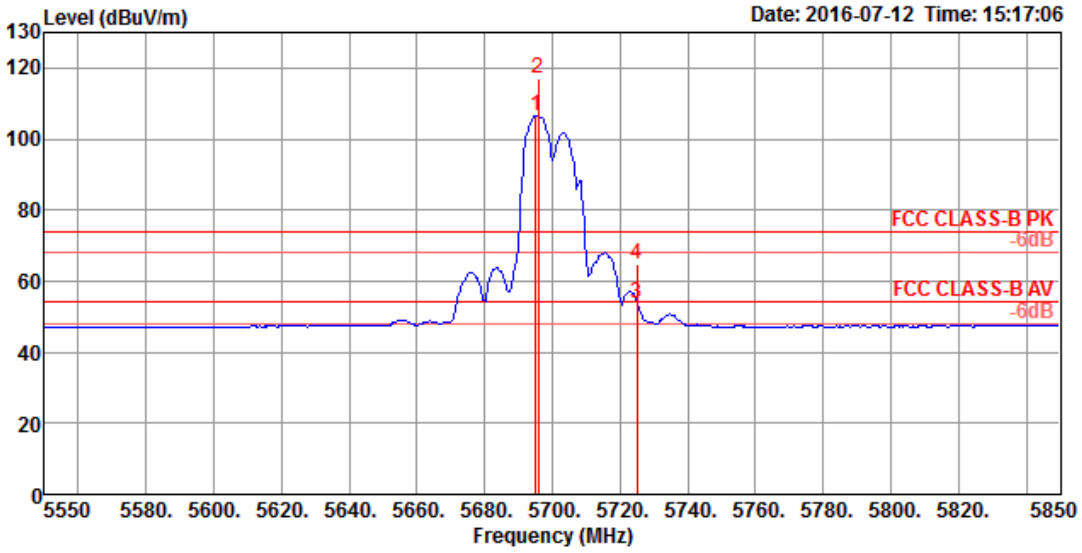
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5435.40	59.78	74.00	-14.22	52.00	7.65	31.75	31.62	210	78	Peak	VERTICAL
2	5457.60	47.86	54.00	-6.14	40.07	7.64	31.76	31.61	210	78	Average	VERTICAL
3	5464.80	48.74	54.00	-5.26	40.93	7.64	31.78	31.61	210	78	Average	VERTICAL
4	5470.00	61.34	74.00	-12.66	53.53	7.64	31.78	31.61	210	78	Peak	VERTICAL
5 0	5578.80	119.90			112.04	7.61	31.90	31.65	210	78	Peak	VERTICAL
6 0	5579.40	110.24			102.38	7.61	31.90	31.65	210	78	Average	VERTICAL
7	5725.00	47.66	54.00	-6.34	39.54	7.74	32.08	31.70	210	78	Average	VERTICAL
8	5725.00	59.30	74.00	-14.70	51.18	7.74	32.08	31.70	210	78	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

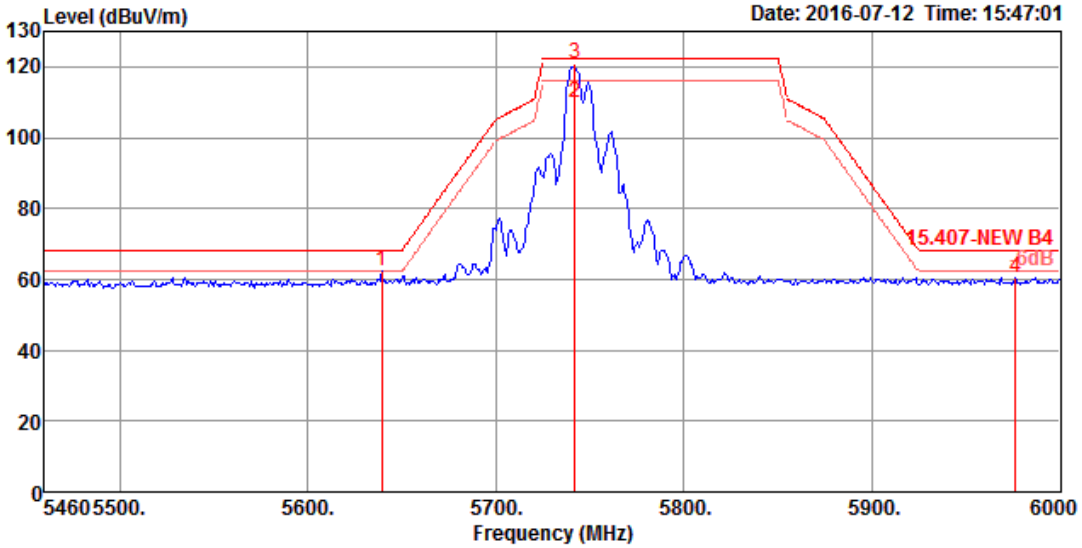


		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	0	5695.20	106.60			98.54	7.71	32.04	31.69	218	118	Average	VERTICAL
2	0	5695.80	116.82			108.76	7.71	32.04	31.69	218	118	Peak	VERTICAL
3		5725.00	53.55	54.00	-0.45	45.43	7.74	32.08	31.70	218	118	Average	VERTICAL
4		5725.00	64.75	74.00	-9.25	56.63	7.74	32.08	31.70	218	118	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4

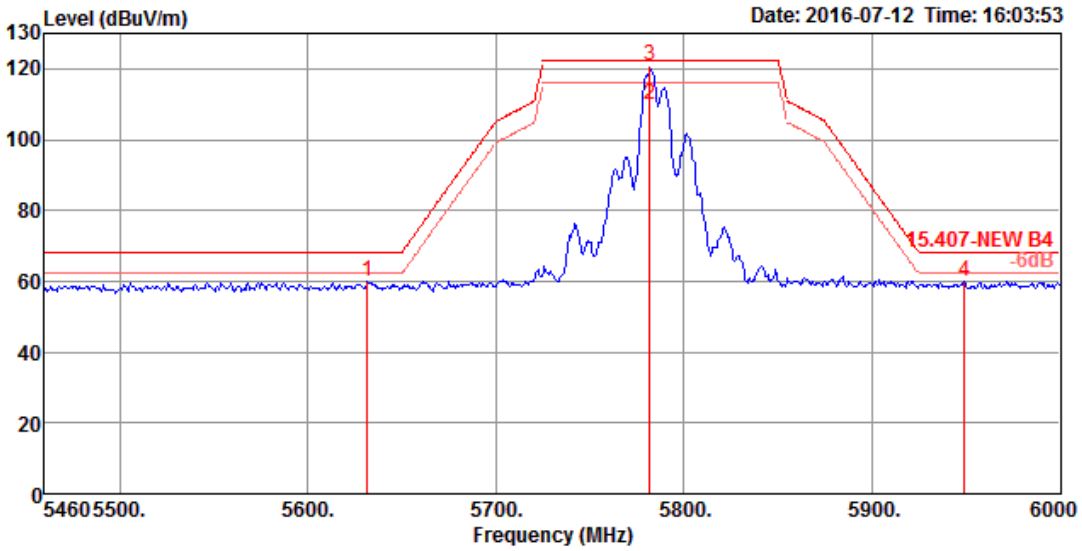
Channel 149



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5639.28	62.12	68.20	-6.08	54.19	7.64	31.96	31.67	201	119	Peak	VERTICAL
2	5741.88	109.94			101.79	7.76	32.10	31.71	201	119	Average	VERTICAL
3	5741.88	120.97			112.82	7.76	32.10	31.71	201	119	Peak	VERTICAL
4	5976.24	60.60	68.20	-7.60	52.10	7.92	32.38	31.80	201	119	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

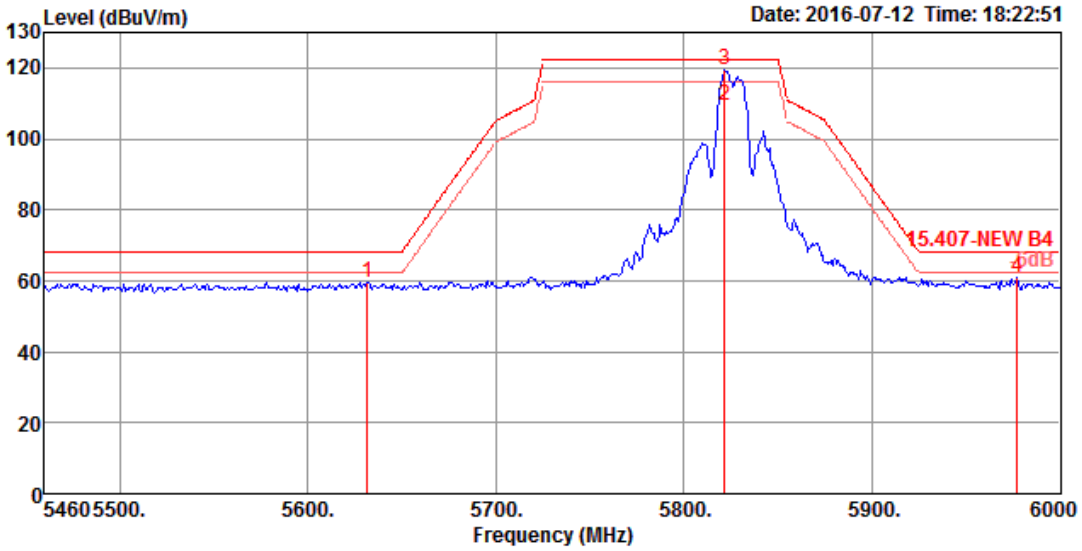
Channel 157



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5631.72	59.84	68.20	-8.36	51.90	7.64	31.96	31.66	205	120	Peak	VERTICAL
2	5781.84	109.88			101.67	7.79	32.14	31.72	205	120	Average	VERTICAL
3	5781.84	120.77			112.56	7.79	32.14	31.72	205	120	Peak	VERTICAL
4	5949.24	60.14	68.20	-8.06	51.69	7.90	32.34	31.79	205	120	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

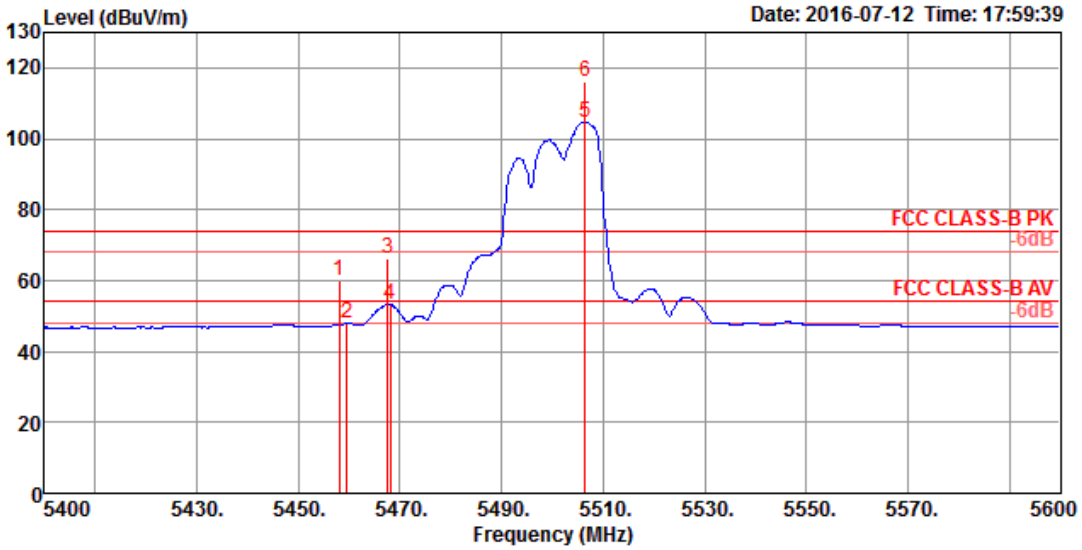


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5631.72	59.70	68.20	-8.50	51.76	7.64	31.96	31.66	300	128	Peak	VERTICAL
2	5821.80	109.25			100.99	7.82	32.18	31.74	300	128	Average	VERTICAL
3	5821.80	119.24			110.98	7.82	32.18	31.74	300	128	Peak	VERTICAL
4	5977.32	60.87	68.20	-7.33	52.37	7.92	32.38	31.80	300	128	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4

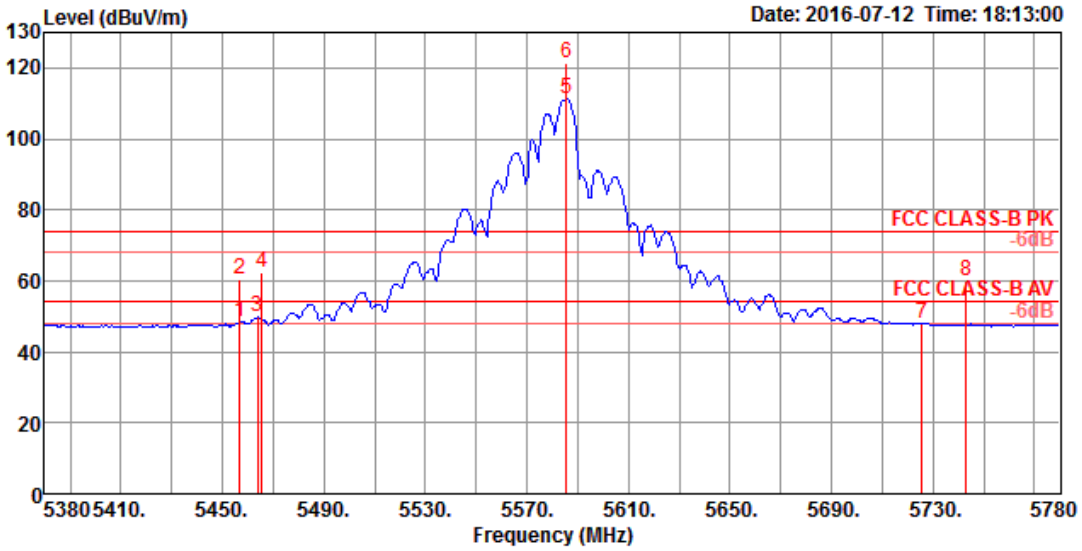
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	60.07	74.00	-13.93	52.28	7.64	31.76	31.61	297	166	Peak	VERTICAL
2	5459.60	47.82	54.00	-6.18	40.03	7.64	31.76	31.61	297	166	Average	VERTICAL
3	5467.60	66.10	74.00	-7.90	58.29	7.64	31.78	31.61	297	166	Peak	VERTICAL
4	5468.00	53.10	54.00	-0.90	45.29	7.64	31.78	31.61	297	166	Average	VERTICAL
5 0	5506.40	104.79			96.98	7.63	31.80	31.62	297	166	Average	VERTICAL
6 0	5506.40	116.13			108.32	7.63	31.80	31.62	297	166	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

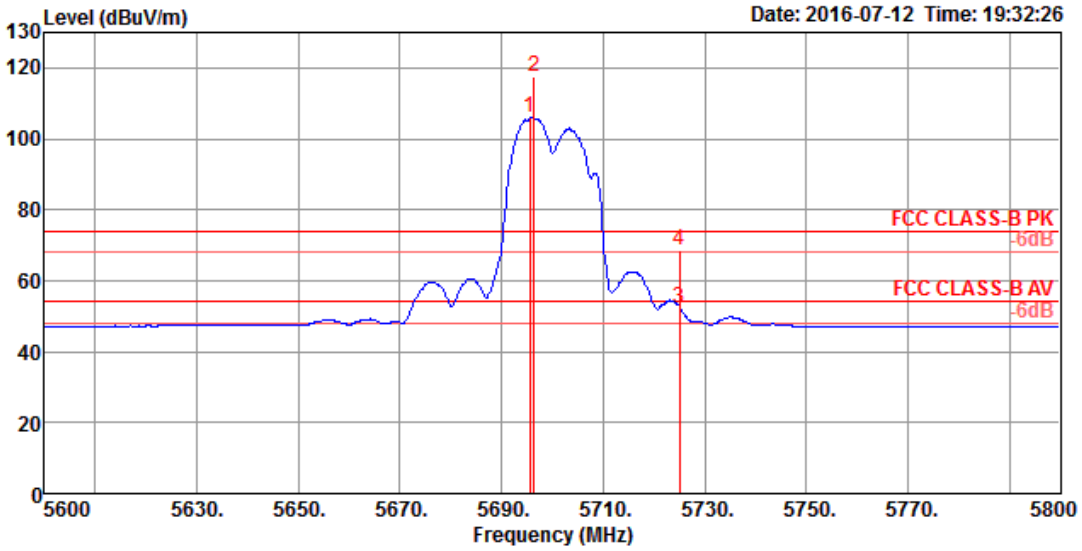
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.80	48.45	54.00	-5.55	40.66	7.64	31.76	31.61	287	165	Average	VERTICAL
2	5456.80	60.49	74.00	-13.51	52.70	7.64	31.76	31.61	287	165	Peak	VERTICAL
3	5464.00	49.66	54.00	-4.34	41.85	7.64	31.78	31.61	287	165	Average	VERTICAL
4	5465.60	62.35	74.00	-11.65	54.54	7.64	31.78	31.61	287	165	Peak	VERTICAL
5 0	5585.60	111.34			103.48	7.61	31.90	31.65	287	165	Average	VERTICAL
6 0	5585.60	121.39			113.53	7.61	31.90	31.65	287	165	Peak	VERTICAL
7	5725.60	48.13	54.00	-5.87	40.01	7.74	32.08	31.70	287	165	Average	VERTICAL
8	5743.20	60.13	74.00	-13.87	51.98	7.76	32.10	31.71	287	165	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

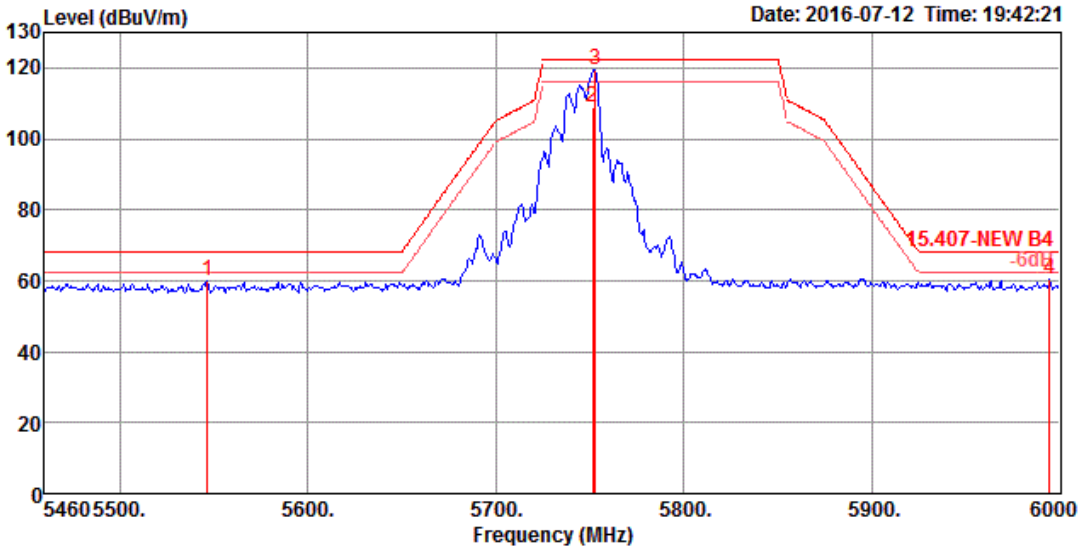


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	5695.60	105.84			97.78	7.71	32.04	31.69	226	120	Average	VERTICAL
2 0	5696.40	117.32			109.26	7.71	32.04	31.69	226	120	Peak	VERTICAL
3	5725.00	52.34	54.00	-1.66	44.22	7.74	32.08	31.70	226	120	Average	VERTICAL
4	5725.00	68.37	74.00	-5.63	60.25	7.74	32.08	31.70	226	120	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4

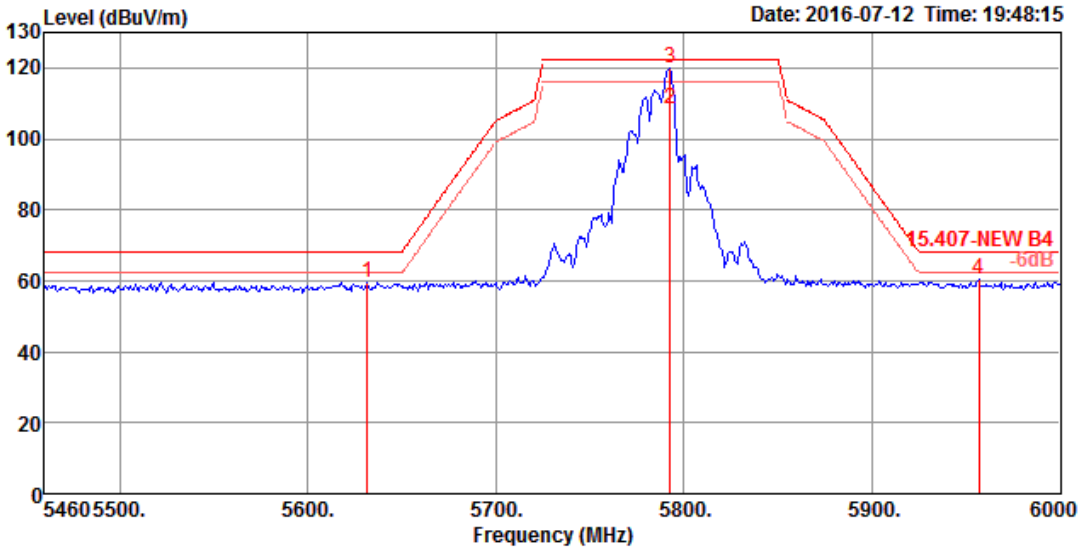
Channel 149



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5546.40	60.18	68.20	-8.02	52.33	7.62	31.86	31.63	300	165	Peak	VERTICAL
2	5751.60	109.07			100.92	7.76	32.10	31.71	300	165	Average	VERTICAL
3	5752.68	119.61			111.46	7.76	32.10	31.71	300	165	Peak	VERTICAL
4	5994.60	60.43	68.20	-7.77	51.90	7.93	32.40	31.80	300	165	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

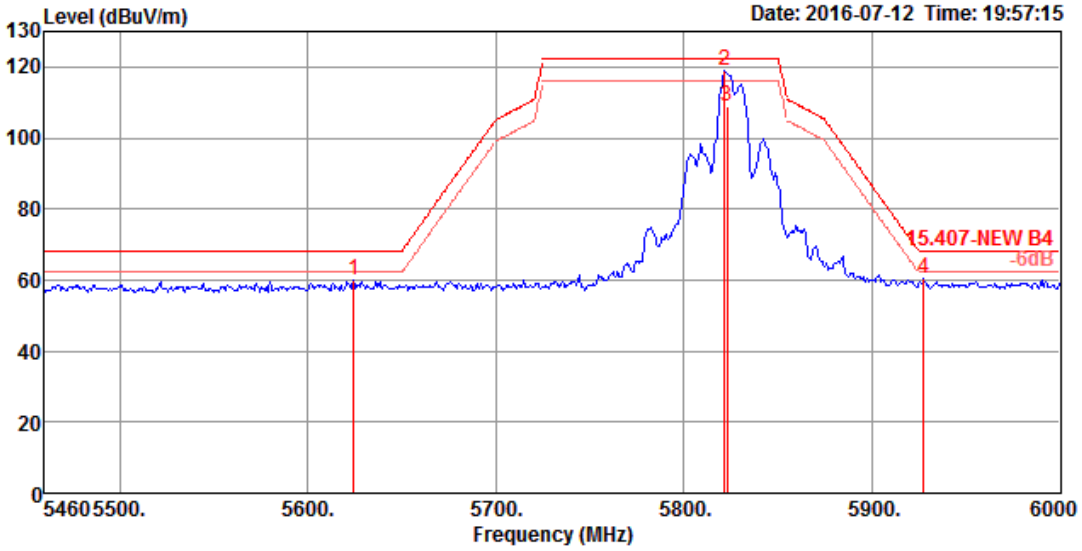
Channel 157



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5631.72	59.72	68.20	-8.48	51.78	7.64	31.96	31.66	300	170	Peak	VERTICAL
2	5792.64	108.52			100.28	7.81	32.16	31.73	300	170	Average	VERTICAL
3	5792.64	119.84			111.60	7.81	32.16	31.73	300	170	Peak	VERTICAL
4	5956.80	60.55	68.20	-7.65	52.11	7.90	32.34	31.80	300	170	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

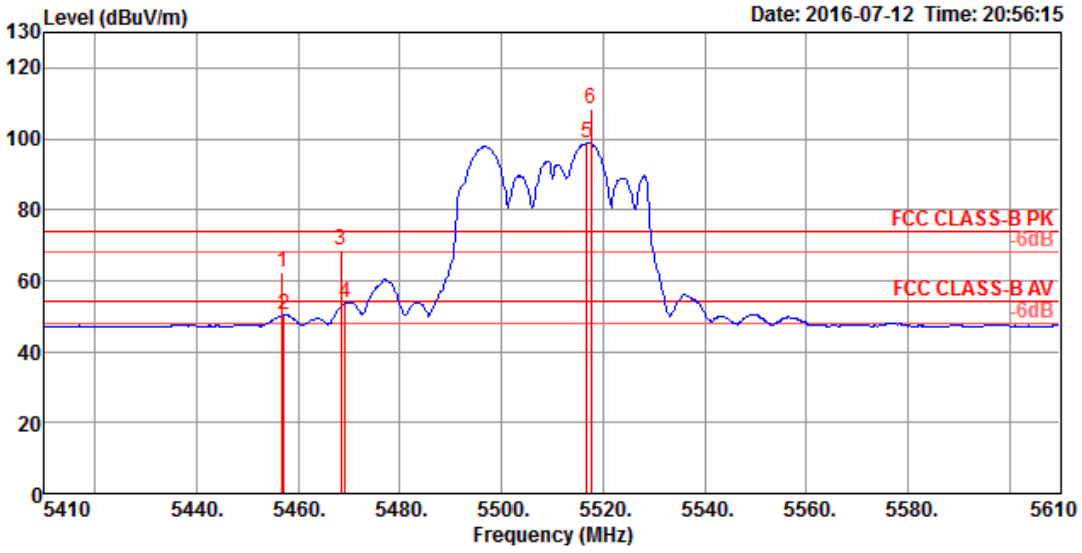


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5624.16	60.01	68.20	-8.19	52.07	7.64	31.96	31.66	222	125	Peak	VERTICAL
2	5821.80	119.16			110.90	7.82	32.18	31.74	222	125	Peak	VERTICAL
3	5822.88	108.98			100.69	7.83	32.20	31.74	222	125	Average	VERTICAL
4	5927.64	60.37	68.20	-7.83	51.94	7.89	32.32	31.78	222	125	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4

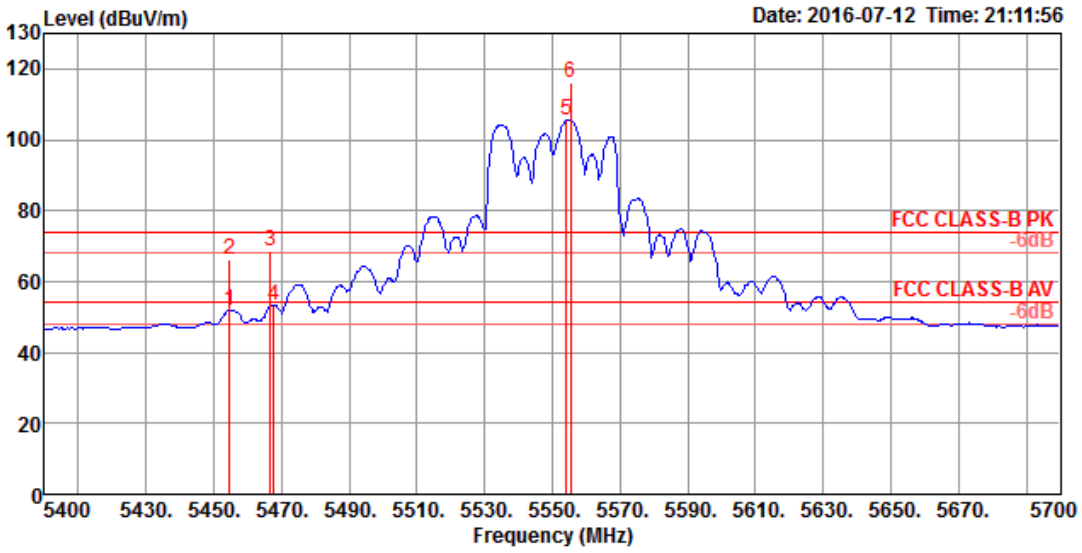
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.80	62.49	74.00	-11.51	54.70	7.64	31.76	31.61	300	163	Peak	VERTICAL
2	5457.20	50.27	54.00	-3.73	42.48	7.64	31.76	31.61	300	163	Average	VERTICAL
3	5468.40	68.42	74.00	-5.58	60.61	7.64	31.78	31.61	300	163	Peak	VERTICAL
4	5469.20	53.61	54.00	-0.39	45.80	7.64	31.78	31.61	300	163	Average	VERTICAL
5 0	5516.80	98.68			90.85	7.63	31.82	31.62	300	163	Average	VERTICAL
6 0	5517.60	108.21			100.38	7.63	31.82	31.62	300	163	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

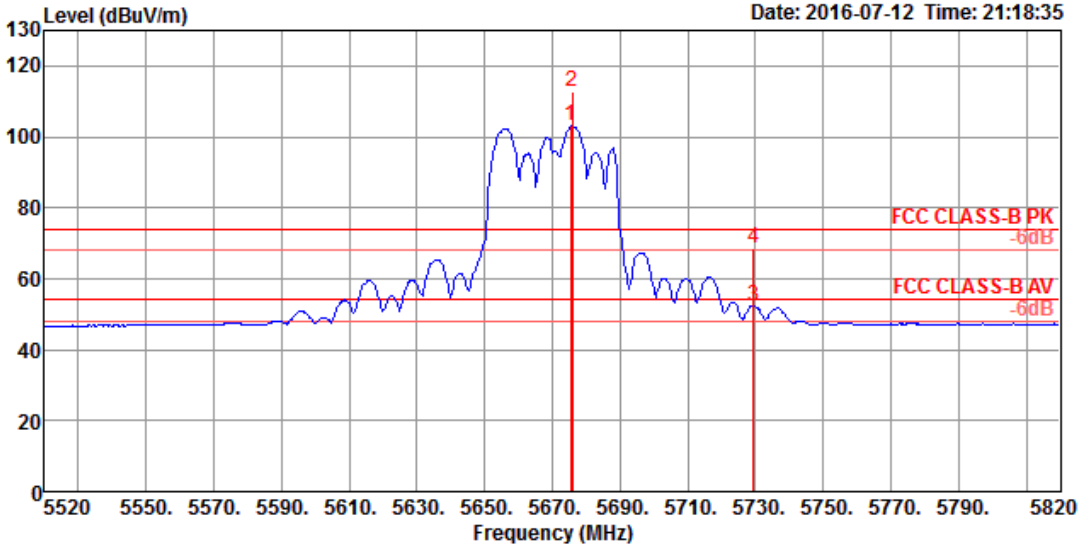
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.60	51.88	54.00	-2.12	44.09	7.64	31.76	31.61	300	164	Average	VERTICAL
2	5454.60	66.36	74.00	-7.64	58.57	7.64	31.76	31.61	300	164	Peak	VERTICAL
3	5466.60	68.38	74.00	-5.62	60.57	7.64	31.78	31.61	300	164	Peak	VERTICAL
4	5467.80	53.24	54.00	-0.76	45.43	7.64	31.78	31.61	300	164	Average	VERTICAL
5 0	5554.20	105.66			97.81	7.62	31.86	31.63	300	164	Average	VERTICAL
6 0	5555.40	115.89			108.04	7.62	31.86	31.63	300	164	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

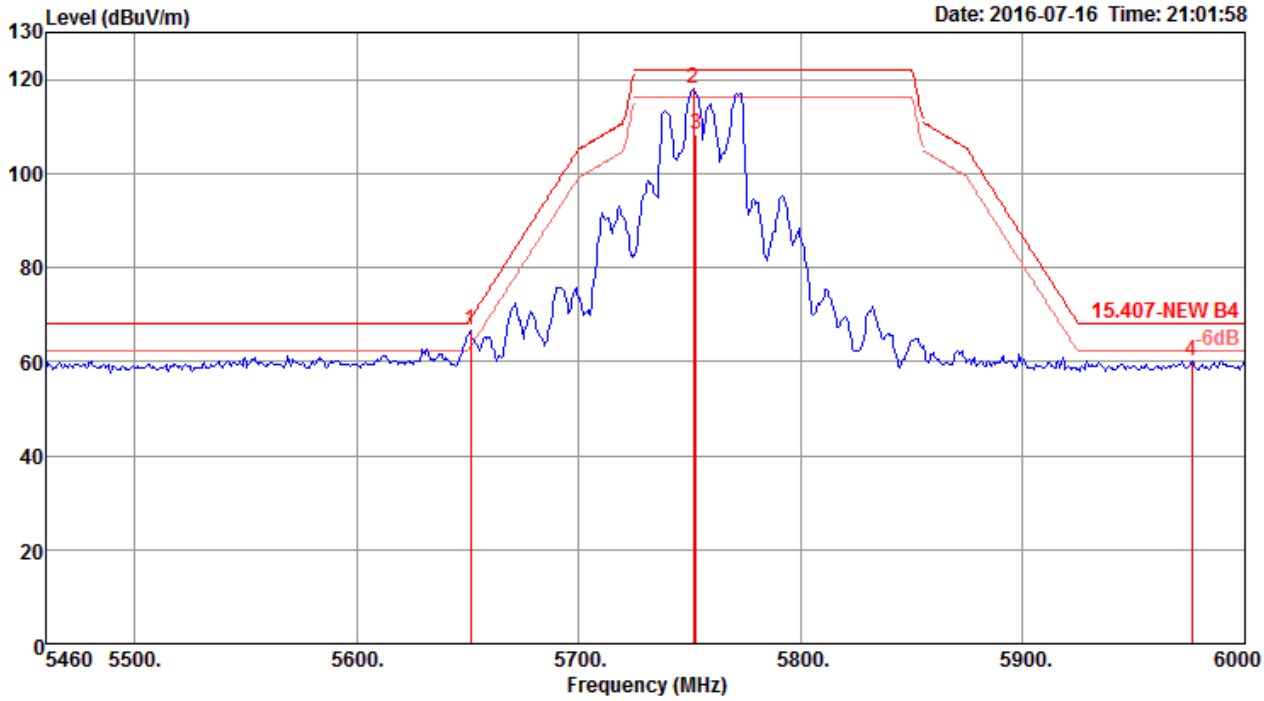


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	5675.40	102.91			94.88	7.69	32.02	31.68	300	161	Average	VERTICAL
2 0	5676.00	112.65			104.62	7.69	32.02	31.68	300	161	Peak	VERTICAL
3	5729.40	52.49	54.00	-1.51	44.38	7.74	32.08	31.71	300	161	Average	VERTICAL
4	5729.40	68.46	74.00	-5.54	60.35	7.74	32.08	31.71	300	161	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4

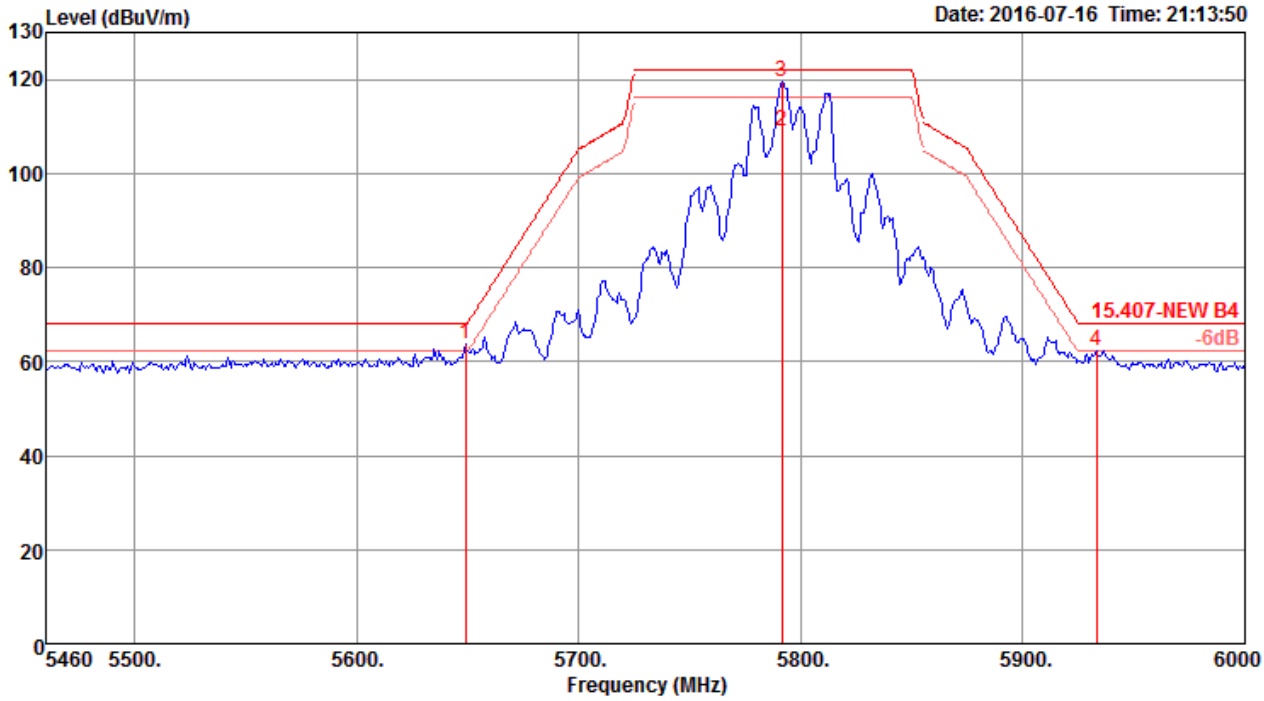
Channel 151



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5651.16	66.56	69.06	-2.50	58.34	6.80	34.39	32.97	224	127	Peak	VERTICAL
2	5751.60	118.23			109.88	6.90	34.45	33.00	224	127	Peak	VERTICAL
3	5752.68	108.17			99.82	6.90	34.45	33.00	224	127	Average	VERTICAL
4	5976.24	60.15	68.20	-8.05	51.62	7.00	34.59	33.06	224	127	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

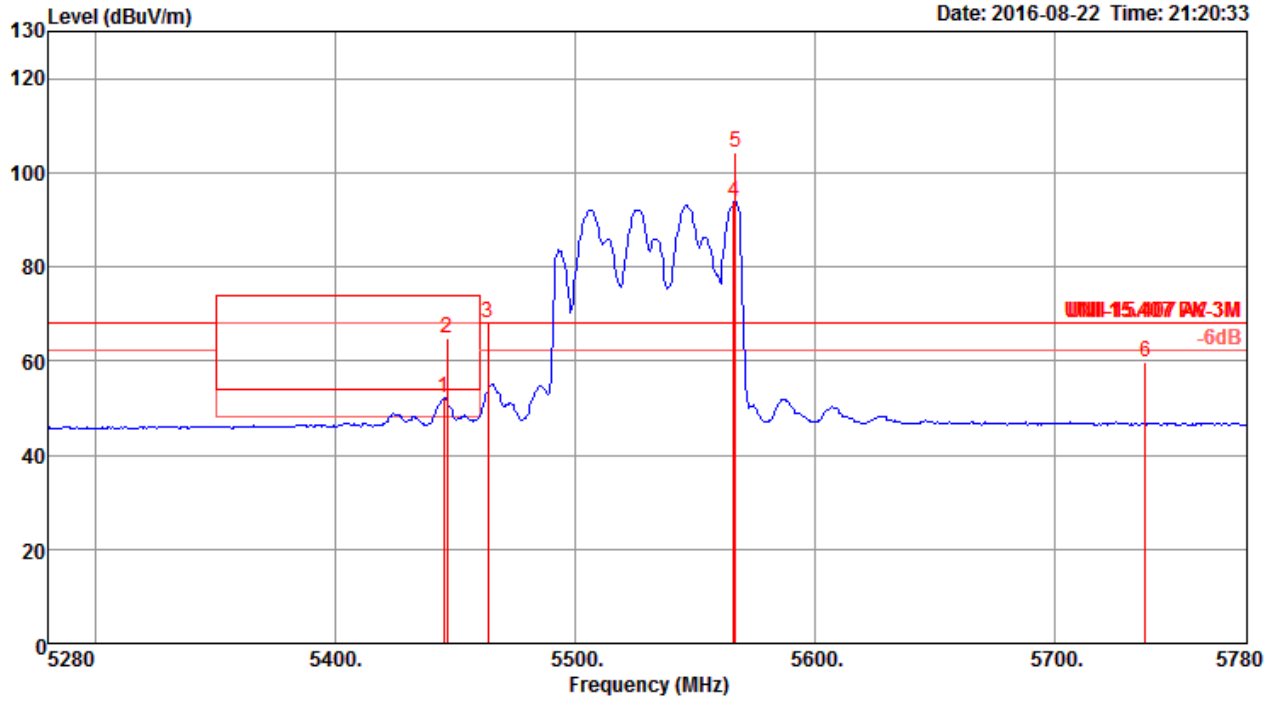


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5649.00	63.84	68.20	-4.36	55.62	6.80	34.39	32.97	234	128	Peak	VERTICAL
2	5791.56	109.00			100.58	6.95	34.48	33.01	234	128	Average	VERTICAL
3	5791.56	119.56			111.14	6.95	34.48	33.01	234	128	Peak	VERTICAL
4	5933.04	62.22	68.20	-5.98	53.72	6.98	34.56	33.04	234	128	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

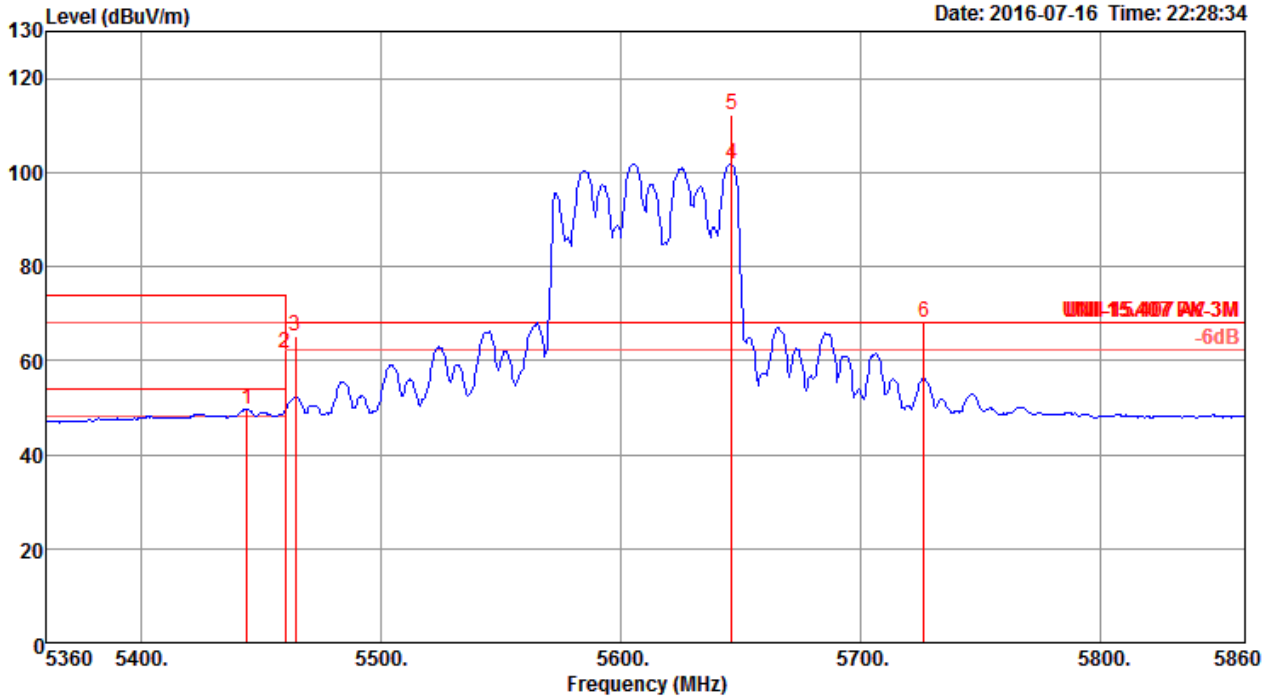
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.06	52.07	54.00	-1.93	44.13	6.67	34.20	32.93	300	318	Average	VERTICAL
2	5446.67	64.86	74.00	-9.14	56.92	6.67	34.20	32.93	300	318	Peak	VERTICAL
3	5463.49	68.04	68.20	-0.16	60.06	6.68	34.23	32.93	300	318	Peak	VERTICAL
4	5566.06	93.65			85.53	6.73	34.34	32.95	300	318	Average	VERTICAL
5	5566.86	104.16			96.04	6.73	34.34	32.95	300	318	Peak	VERTICAL
6	5737.53	59.92	68.20	-8.28	51.59	6.88	34.44	32.99	300	318	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

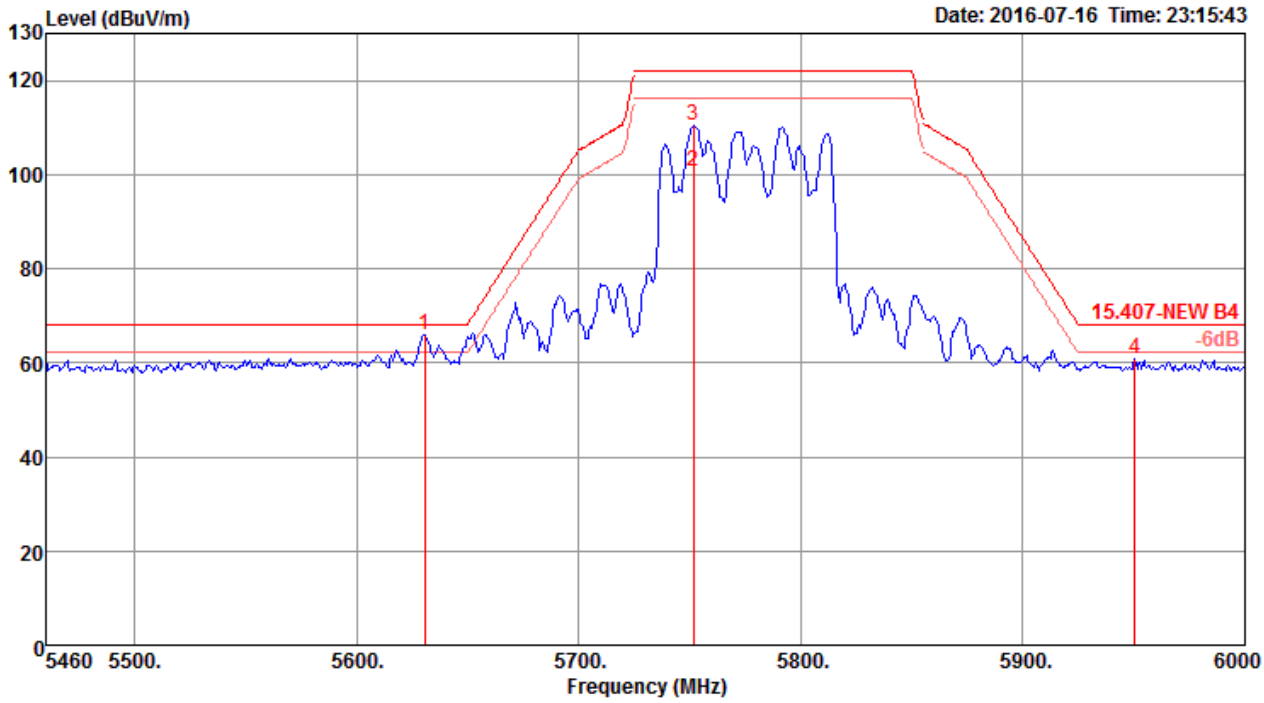
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5444.00	49.75	54.00	-4.25	41.81	6.67	34.20	32.93	223	135	Average	VERTICAL
2	5460.00	61.63	74.00	-12.37	53.65	6.68	34.23	32.93	223	135	Peak	VERTICAL
3	5464.00	65.27	68.20	-2.93	57.26	6.69	34.25	32.93	223	135	Peak	VERTICAL
4	5646.00	101.89			93.67	6.80	34.39	32.97	223	135	Average	VERTICAL
5	5646.00	112.27			104.05	6.80	34.39	32.97	223	135	Peak	VERTICAL
6	5726.00	68.14	68.20	-0.06	59.81	6.88	34.44	32.99	223	135	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Channel 155



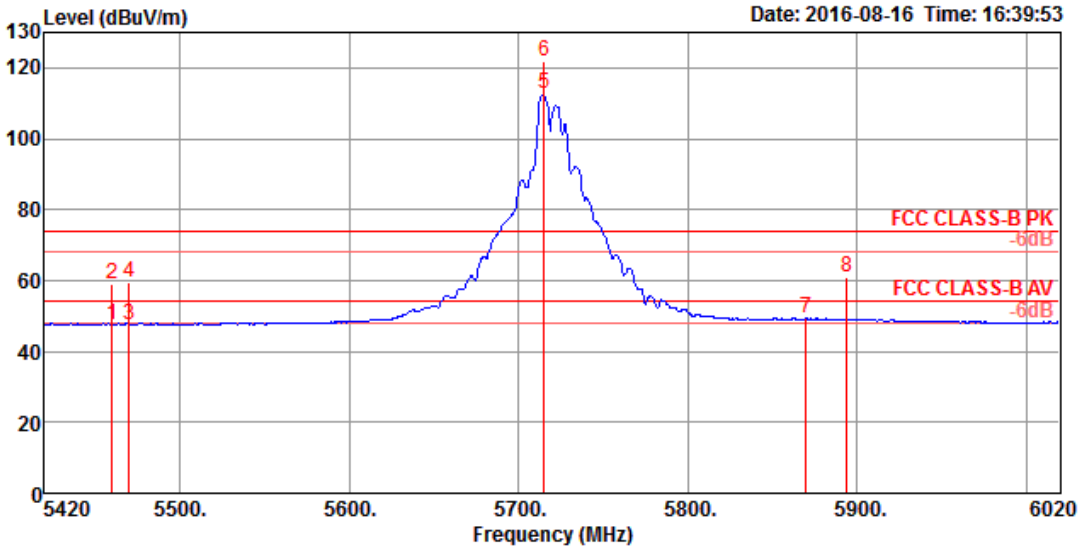
	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5630.64	66.06	68.20	-2.14	57.86	6.78	34.38	32.96	235	134	Peak	VERTICAL
2	5751.60	100.71			92.36	6.90	34.45	33.00	235	134	Average	VERTICAL
3	5751.60	110.36			102.01	6.90	34.45	33.00	235	134	Peak	VERTICAL
4	5950.32	60.79	68.20	-7.41	52.28	6.99	34.57	33.05	235	134	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11a CH 144 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

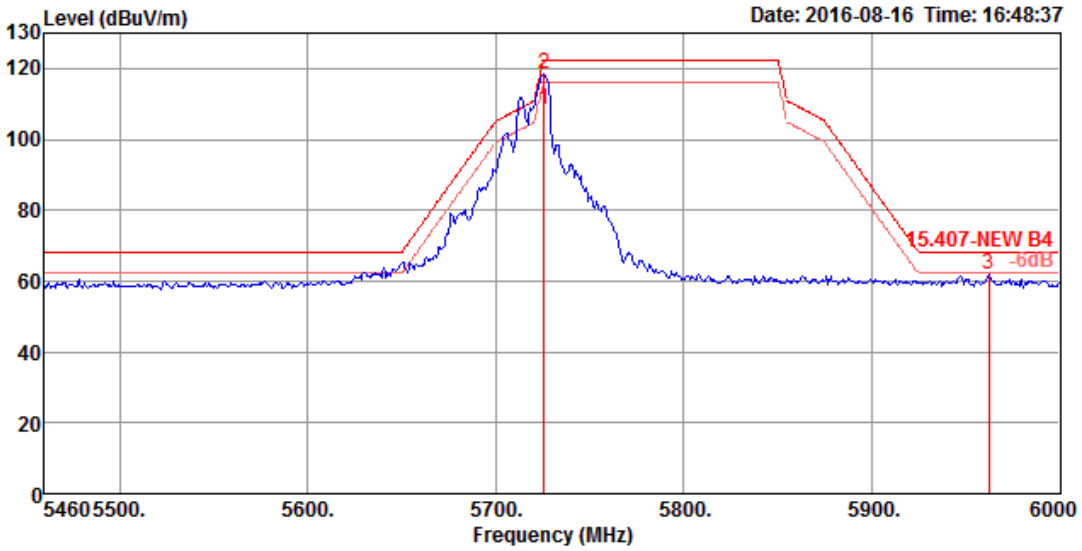


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	47.65	54.00	-6.35	39.18	8.33	31.75	31.61	311	181	Average	VERTICAL
2	5460.00	59.00	74.00	-15.00	50.53	8.33	31.75	31.61	311	181	Peak	VERTICAL
3	5470.00	47.52	54.00	-6.48	39.03	8.33	31.77	31.61	311	181	Average	VERTICAL
4	5470.00	59.40	74.00	-14.60	50.91	8.33	31.77	31.61	311	181	Peak	VERTICAL
5 0	5715.20	112.54			103.36	8.82	32.06	31.70	311	181	Average	VERTICAL
6 0	5715.20	121.75			112.57	8.82	32.06	31.70	311	181	Peak	VERTICAL
7	5870.00	49.33	54.00	-4.67	39.93	8.92	32.24	31.76	311	181	Average	VERTICAL
8	5894.00	61.11	74.00	-12.89	51.82	8.78	32.28	31.77	311	181	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5720 MHz.

Temperature	22℃	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11a CH 144 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

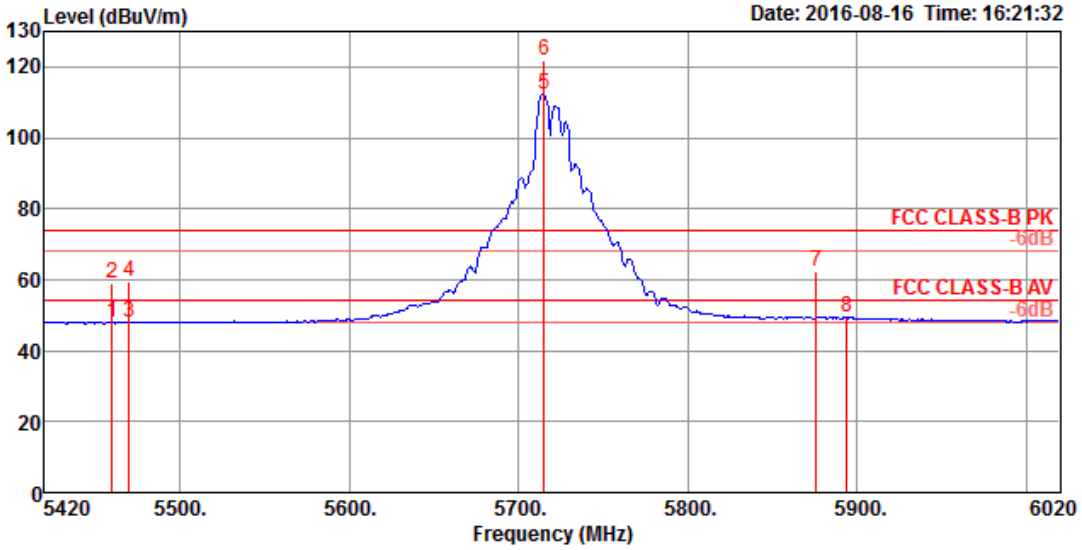


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.68	108.34			99.06	8.90	32.08	31.70	320	131	Average	HORIZONTAL
2	5725.68	118.31			109.03	8.90	32.08	31.70	320	131	Peak	HORIZONTAL
3	5962.20	61.92	68.20	-6.28	52.85	8.51	32.36	31.80	320	131	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

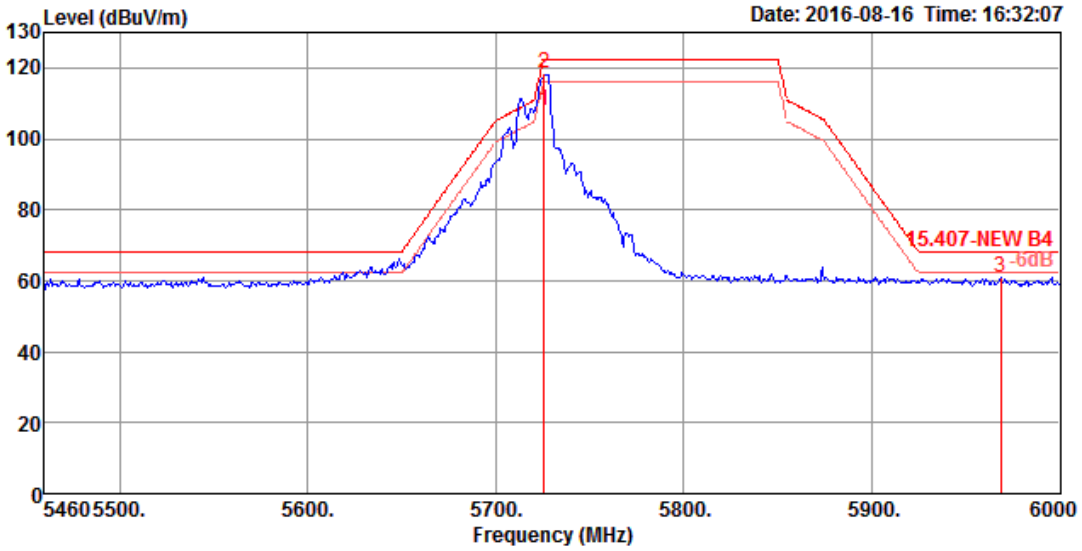


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	47.79	54.00	-6.21	39.32	8.33	31.75	31.61	309	181	Average	VERTICAL
2	5460.00	59.22	74.00	-14.78	50.75	8.33	31.75	31.61	309	181	Peak	VERTICAL
3	5470.00	47.87	54.00	-6.13	39.38	8.33	31.77	31.61	309	181	Average	VERTICAL
4	5470.00	59.27	74.00	-14.73	50.78	8.33	31.77	31.61	309	181	Peak	VERTICAL
5 0	5715.20	112.45			103.27	8.82	32.06	31.70	309	181	Average	VERTICAL
6 0	5715.20	121.65			112.47	8.82	32.06	31.70	309	181	Peak	VERTICAL
7	5876.00	62.27	74.00	-11.73	52.92	8.85	32.26	31.76	309	181	Peak	VERTICAL
8	5894.00	49.33	54.00	-4.67	40.04	8.78	32.28	31.77	309	181	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

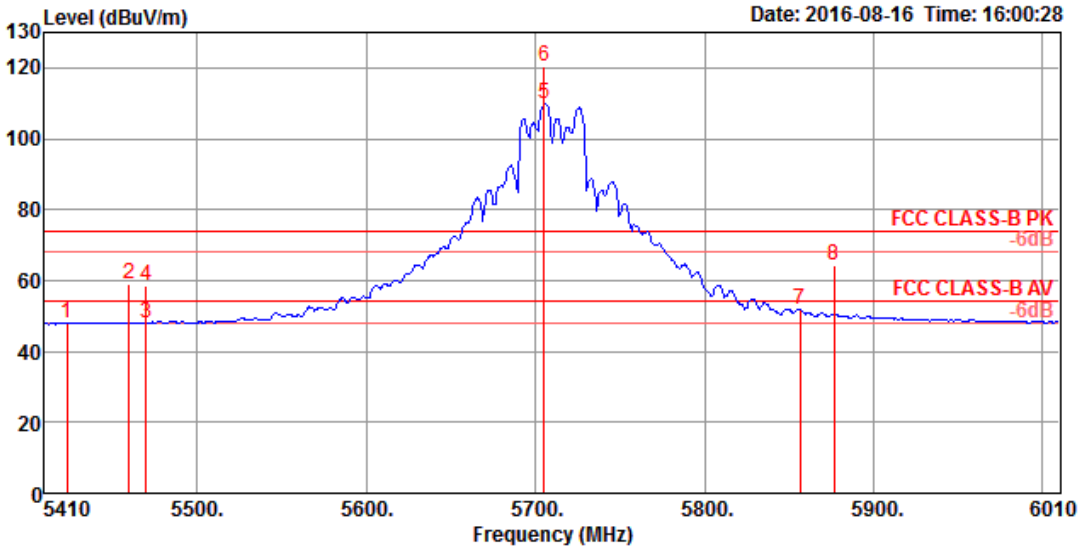


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.68	108.12			98.84	8.90	32.08	31.70	320	129	Average	HORIZONTAL
2	5725.68	118.55			109.27	8.90	32.08	31.70	320	129	Peak	HORIZONTAL
3	5968.68	60.91	68.20	-7.29	51.84	8.51	32.36	31.80	320	129	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 142

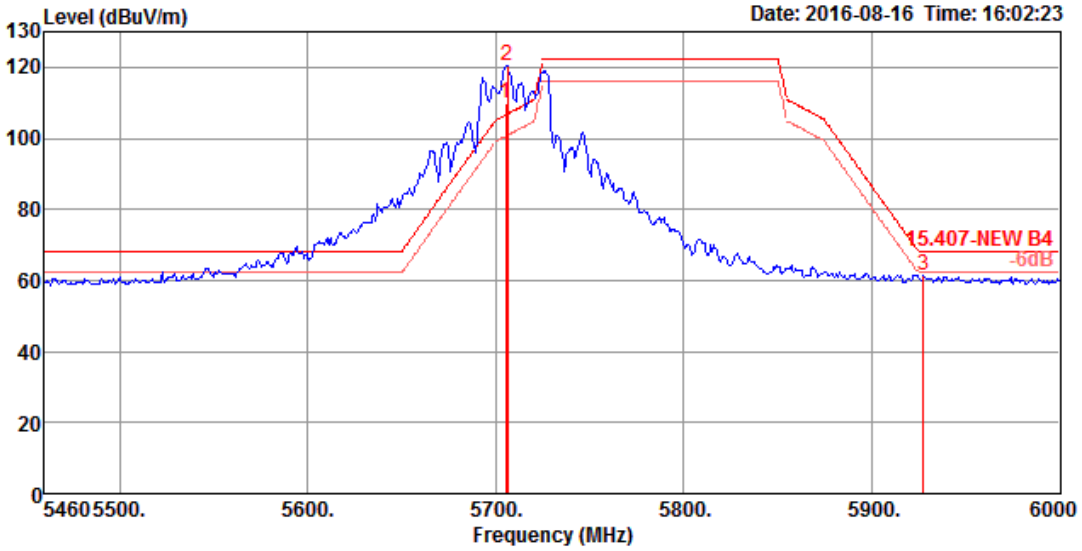


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5423.20	47.99	54.00	-6.01	39.55	8.34	31.72	31.62	320	174	Average	VERTICAL
2	5460.00	58.93	74.00	-15.07	50.46	8.33	31.75	31.61	320	174	Peak	VERTICAL
3	5470.00	48.18	54.00	-5.82	39.69	8.33	31.77	31.61	320	174	Average	VERTICAL
4	5470.00	58.73	74.00	-15.27	50.24	8.33	31.77	31.61	320	174	Peak	VERTICAL
5 0	5705.20	109.89			100.79	8.75	32.04	31.69	320	174	Average	VERTICAL
6 0	5705.20	120.36			111.26	8.75	32.04	31.69	320	174	Peak	VERTICAL
7	5856.40	51.94	54.00	-2.06	42.53	8.92	32.24	31.75	320	174	Average	VERTICAL
8	5876.80	64.28	74.00	-9.72	54.93	8.85	32.26	31.76	320	174	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 142

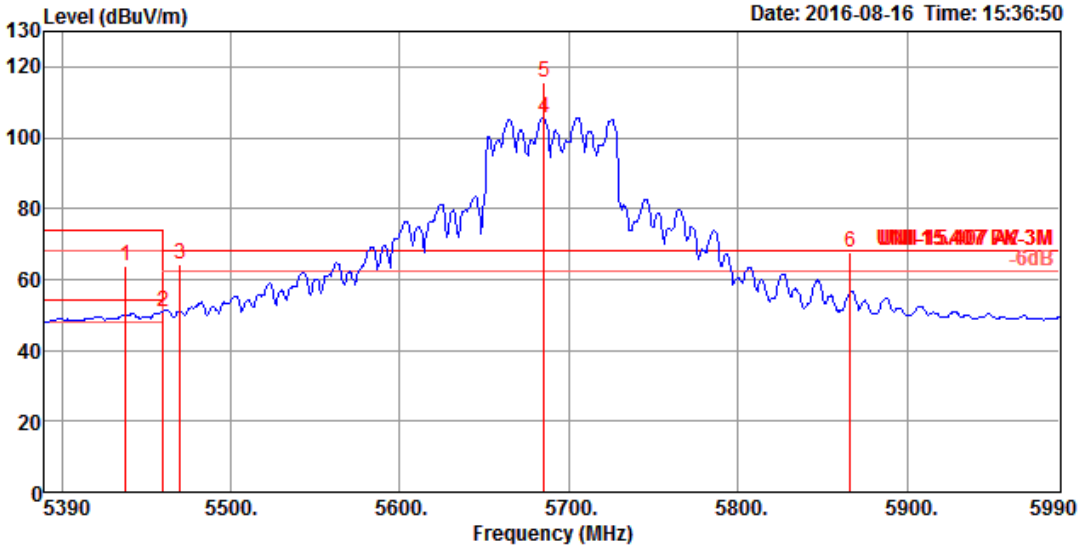


		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	0	5705.16	109.91			100.81	8.75	32.04	31.69	320	174	Average	VERTICAL
2	0	5706.24	120.59			111.40	8.82	32.06	31.69	320	174	Peak	VERTICAL
3		5927.64	61.29	68.20	-6.91	52.11	8.64	32.32	31.78	320	174	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 138

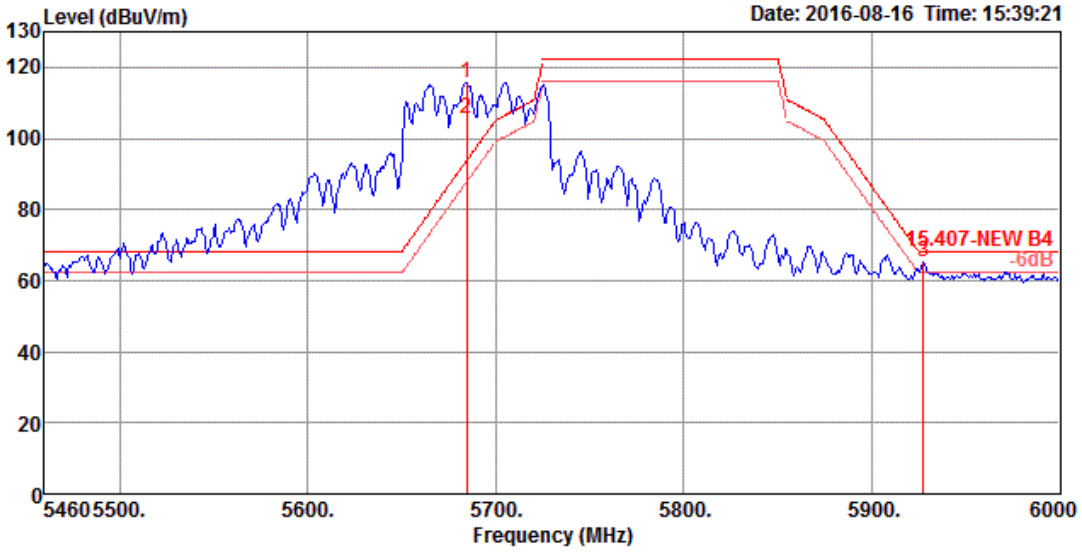


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5438.00	63.89	74.00	-10.11	55.43	8.34	31.74	31.62	297	177	Peak	VERTICAL
2	5460.00	50.75	54.00	-3.25	42.28	8.33	31.75	31.61	297	177	Average	VERTICAL
3	5470.00	64.31	68.20	-3.89	55.82	8.33	31.77	31.61	297	177	Peak	VERTICAL
4 0	5685.20	105.72			96.70	8.68	32.02	31.68	297	177	Average	VERTICAL
5 0	5685.20	115.43			106.41	8.68	32.02	31.68	297	177	Peak	VERTICAL
6	5866.40	67.87	68.20	-0.33	58.47	8.92	32.24	31.76	297	177	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5690 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 138



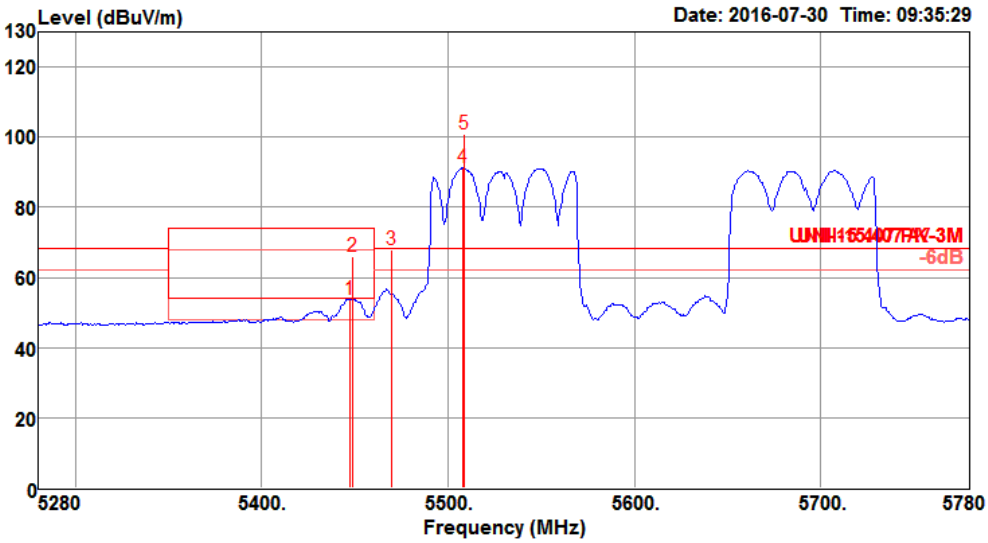
		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	0	5684.64	115.58			106.56	8.68	32.02	31.68	297	177	Peak	VERTICAL
2	0	5684.64	105.61			96.59	8.68	32.02	31.68	297	177	Average	VERTICAL
3		5927.64	65.46	68.20	-2.74	56.28	8.64	32.32	31.78	297	177	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

802.11ac MCS0/Nss2 VHT80+80

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 9 / CH 106+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4

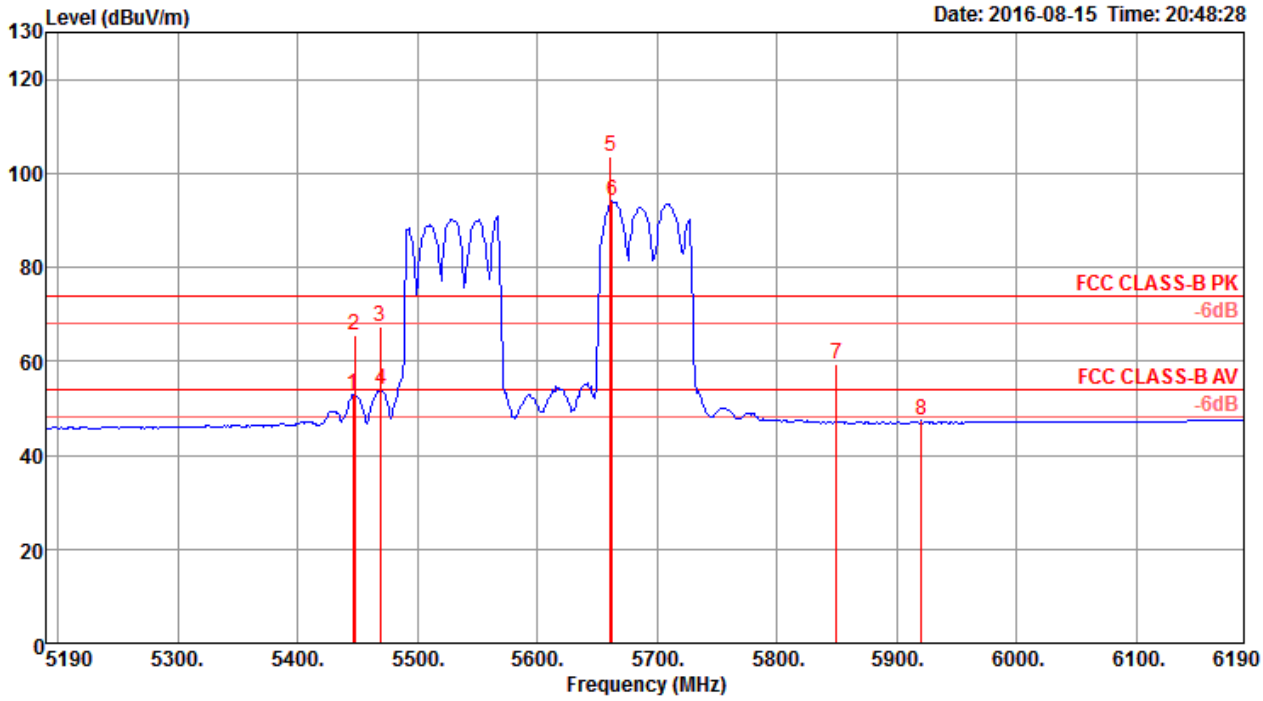
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.00	53.85	54.00	-0.15	45.97	7.66	35.14	34.92	285	171	Average	VERTICAL
2	5449.00	65.93	74.00	-8.07	58.01	7.69	35.15	34.92	285	171	Peak	VERTICAL
3	5470.00	67.78	68.20	-0.42	59.81	7.72	35.17	34.92	285	171	Peak	VERTICAL
4	5508.00	91.23			83.18	7.77	35.20	34.92	285	171	Average	VERTICAL
5	5509.00	100.88			92.83	7.77	35.20	34.92	285	171	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

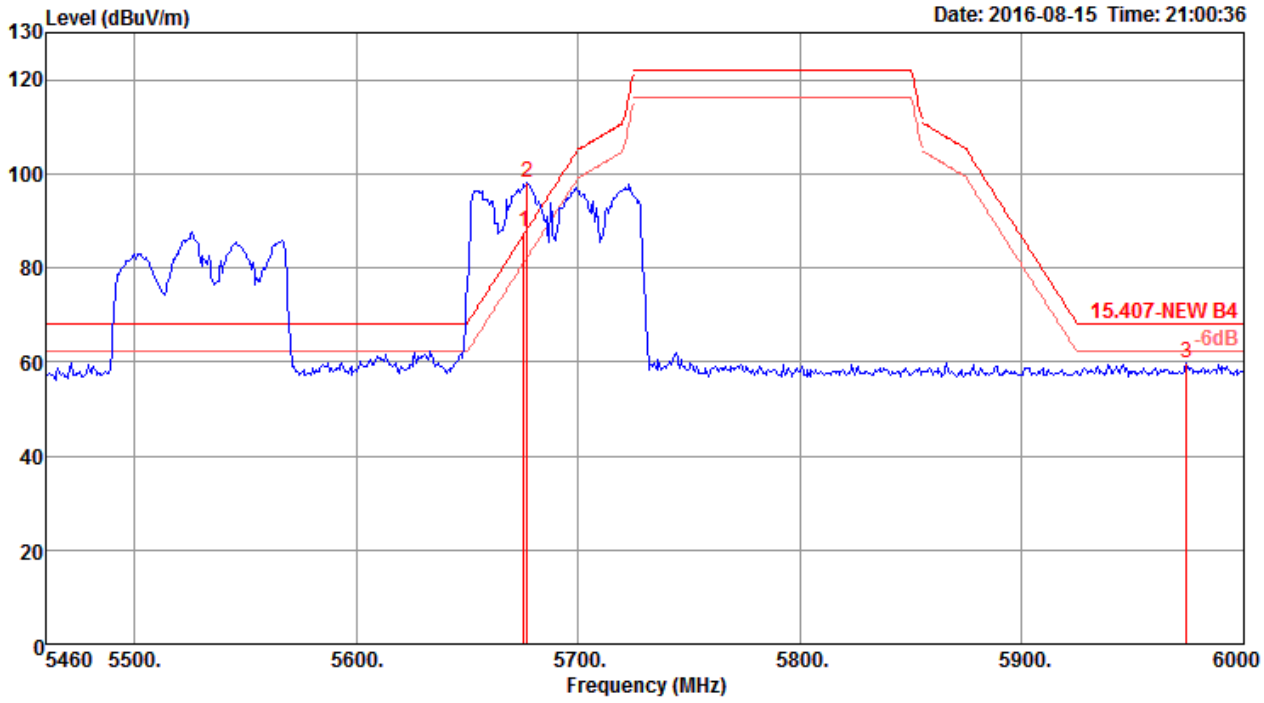
Channel 138 (UNII 2C)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.41	52.77	54.00	-1.23	44.83	6.67	34.20	32.93	297	186	Average	VERTICAL
2	5448.01	65.51	74.00	-8.49	57.53	6.68	34.23	32.93	297	186	Peak	VERTICAL
3	5468.85	67.35	74.00	-6.65	59.34	6.69	34.25	32.93	297	186	Peak	VERTICAL
4	5470.00	53.87	54.00	-0.13	45.86	6.69	34.25	32.93	297	186	Average	VERTICAL
5	5661.15	103.67			95.42	6.82	34.40	32.97	297	186	Peak	VERTICAL
6	5662.76	94.03			85.78	6.82	34.40	32.97	297	186	Average	VERTICAL
7	5850.00	59.33	74.00	-14.67	50.88	6.96	34.51	33.02	297	186	Peak	VERTICAL
8	5921.00	47.40	54.00	-6.60	38.91	6.98	34.55	33.04	297	186	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5690 MHz.

Channel 138 (UNII 3)

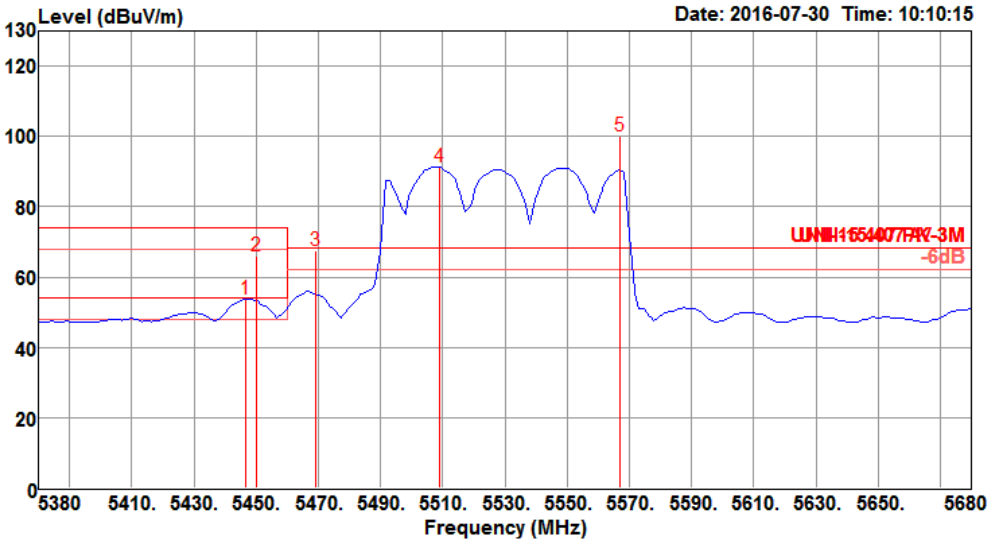


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5675.48	87.45			79.19	6.83	34.41	32.98	293	289	Average	HORIZONTAL
2	5677.08	98.05			89.79	6.83	34.41	32.98	293	289	Peak	HORIZONTAL
3	5974.08	59.68	68.20	-8.52	51.16	6.99	34.58	33.05	293	289	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 10 / CH 106+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

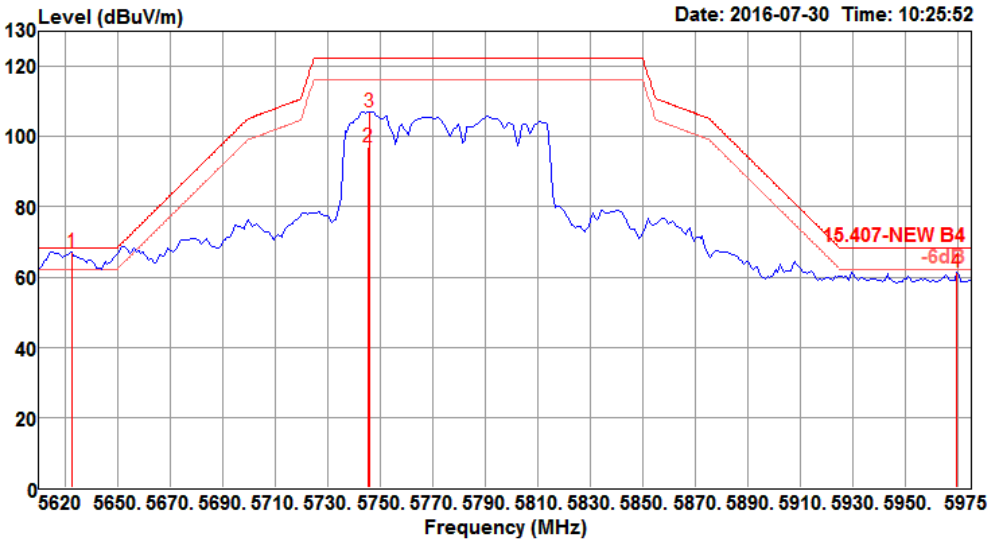
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.80	53.74	54.00	-0.26	45.86	7.66	35.14	34.92	282	174	Average	VERTICAL
2	5450.00	65.90	74.00	-8.10	57.98	7.69	35.15	34.92	282	174	Peak	VERTICAL
3	5469.20	67.44	68.20	-0.76	59.47	7.72	35.17	34.92	282	174	Peak	VERTICAL
4	5509.20	91.47			83.42	7.77	35.20	34.92	282	174	Average	VERTICAL
5	5566.80	100.14			91.98	7.88	35.21	34.93	282	174	Peak	VERTICAL
6	5720.40	67.90	68.20	-0.30	59.79	7.81	35.24	34.94	282	174	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 155

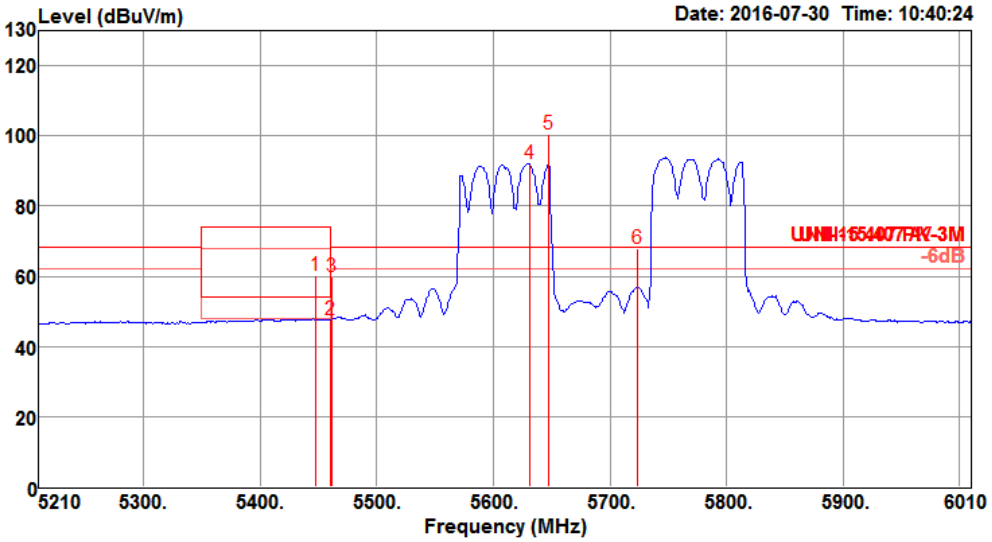


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5632.60	67.27	68.20	-0.93	59.07	7.90	35.23	34.93	288	185	Peak	VERTICAL
2	5745.40	97.05			88.97	7.77	35.25	34.94	288	185	Average	VERTICAL
3	5746.20	107.12			99.04	7.77	35.25	34.94	288	185	Peak	VERTICAL
4	5969.40	61.44	68.20	-6.76	53.13	7.99	35.29	34.97	288	185	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 11 / CH 122+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

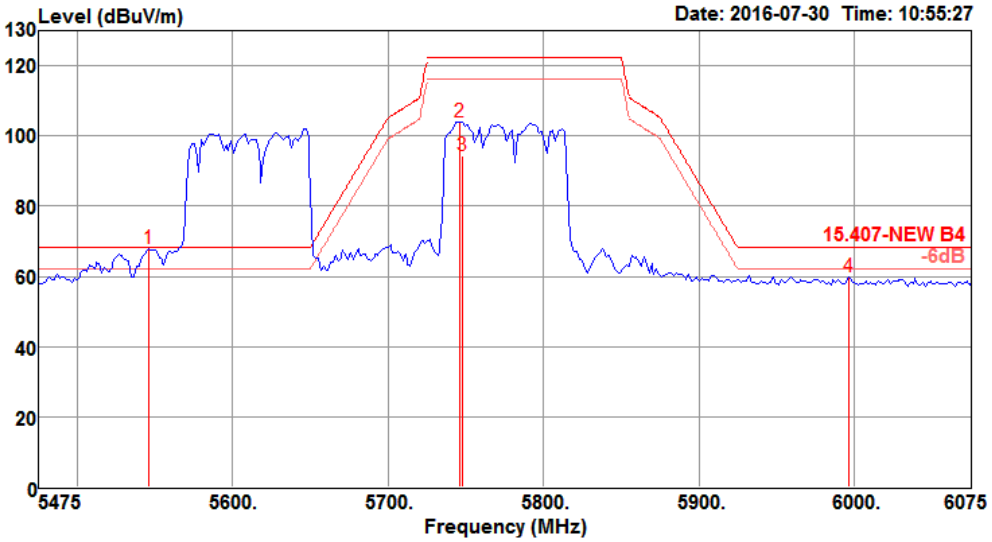
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.00	60.24	74.00	-13.76	52.32	7.69	35.15	34.92	271	177	Peak	VERTICAL
2	5460.00	47.68	54.00	-6.32	39.76	7.69	35.15	34.92	271	177	Average	VERTICAL
3	5462.00	59.70	68.20	-8.50	51.78	7.69	35.15	34.92	271	177	Peak	VERTICAL
4	5631.00	92.16			83.96	7.90	35.23	34.93	271	177	Average	VERTICAL
5	5647.00	100.66			92.48	7.88	35.23	34.93	271	177	Peak	VERTICAL
6	5724.00	67.96	68.20	-0.24	59.86	7.79	35.25	34.94	271	177	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Channel 155

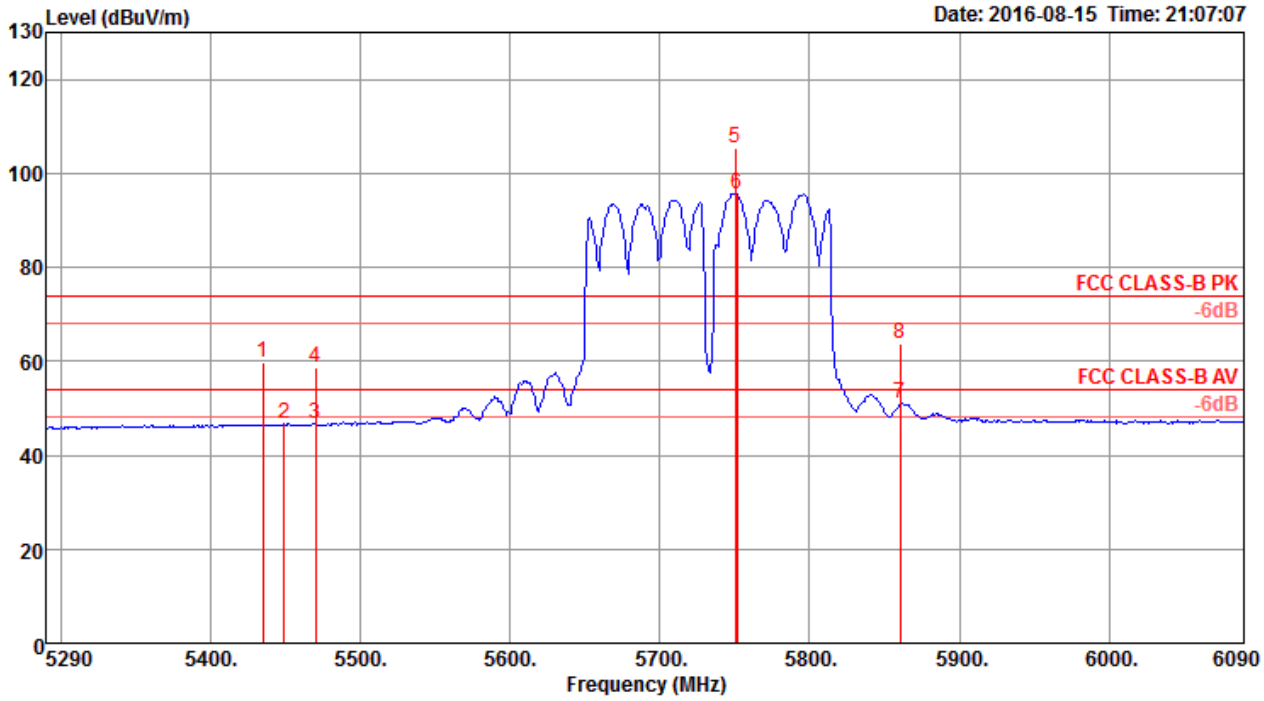


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5546.20	67.78	68.20	-0.42	59.63	7.86	35.21	34.92	292	180	Peak	VERTICAL
2	5746.20	103.94			95.86	7.77	35.25	34.94	292	180	Peak	VERTICAL
3	5747.80	94.23			86.15	7.77	35.25	34.94	292	180	Average	VERTICAL
4	5995.80	59.91	68.20	-8.29	51.53	8.05	35.30	34.97	292	180	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 12 / CH 138+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

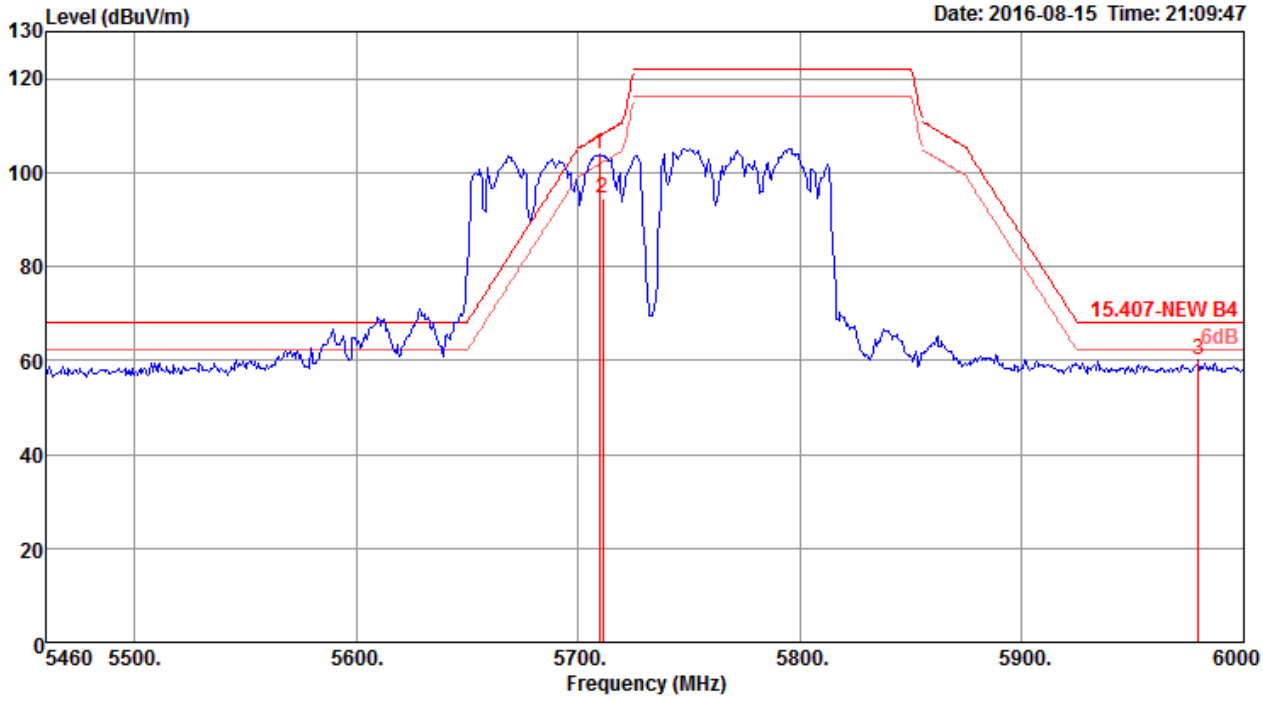
Channel 138 (UNII 2C)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.87	59.66	74.00	-14.34	51.72	6.67	34.20	32.93	300	180	Peak	VERTICAL
2	5448.97	46.68	54.00	-7.32	38.70	6.68	34.23	32.93	300	180	Average	VERTICAL
3	5470.00	46.55	54.00	-7.45	38.54	6.69	34.25	32.93	300	180	Average	VERTICAL
4	5470.00	58.68	74.00	-15.32	50.67	6.69	34.25	32.93	300	180	Peak	VERTICAL
5	5750.26	105.28			96.93	6.90	34.45	33.00	300	180	Peak	VERTICAL
6	5751.54	95.72			87.37	6.90	34.45	33.00	300	180	Average	VERTICAL
7	5860.51	51.18	54.00	-2.82	42.72	6.97	34.52	33.03	300	180	Average	VERTICAL
8	5860.51	63.69	74.00	-10.31	55.23	6.97	34.52	33.03	300	180	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5690 MHz.

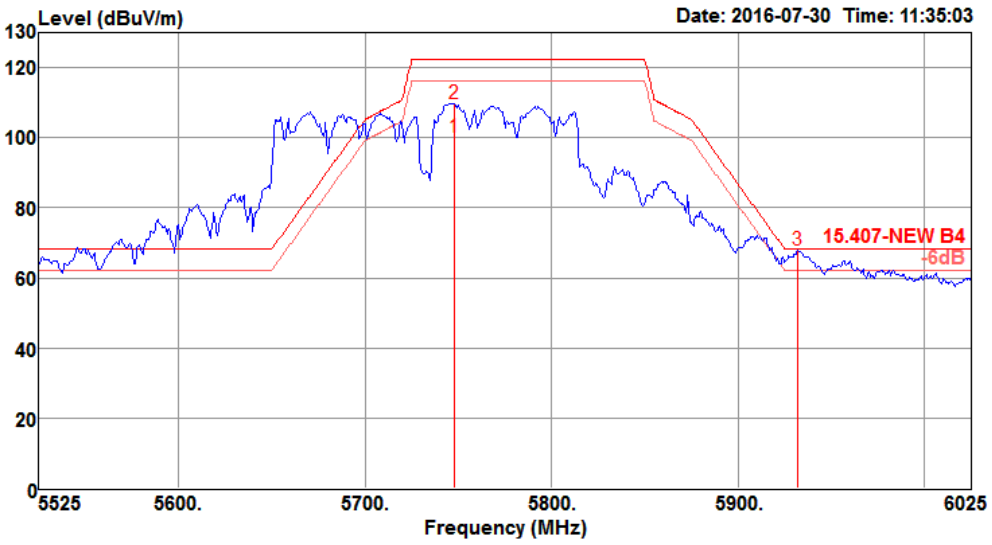
Channel 138 (UNII 3)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.48	103.76			95.45	6.87	34.43	32.99	300	180	Peak	VERTICAL
2	5711.10	94.48			86.17	6.87	34.43	32.99	300	180	Average	VERTICAL
3	5979.48	60.06	68.20	-8.14	51.53	7.00	34.59	33.06	300	180	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Channel 155

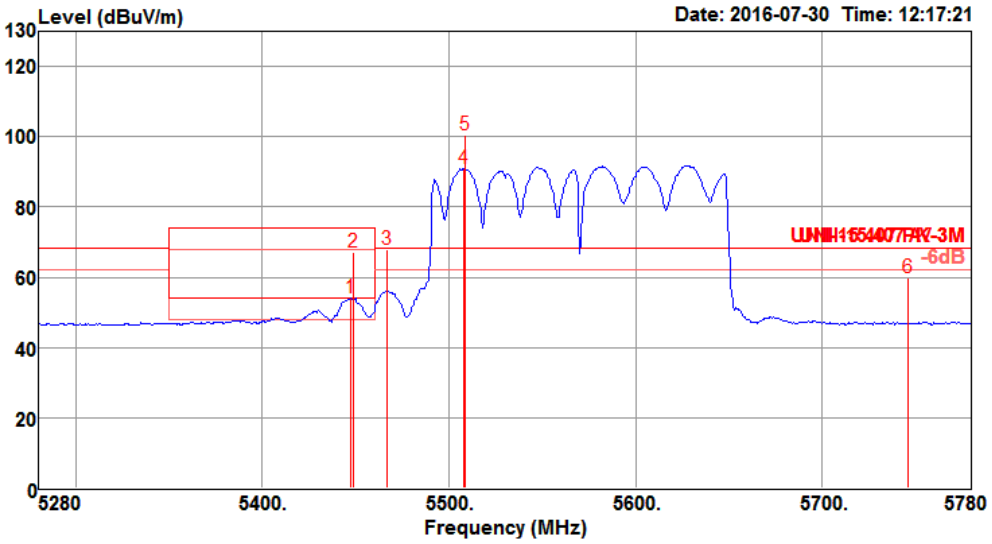


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5748.00	99.93			91.85	7.77	35.25	34.94	285	176	Average	VERTICAL
2	5748.00	109.60			101.52	7.77	35.25	34.94	285	176	Peak	VERTICAL
3	5932.00	67.90	68.20	-0.30	59.63	7.94	35.29	34.96	285	176	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 14 / CH 106+122 / Chain 1 + Chain 2 + Chain 3 + Chain 4

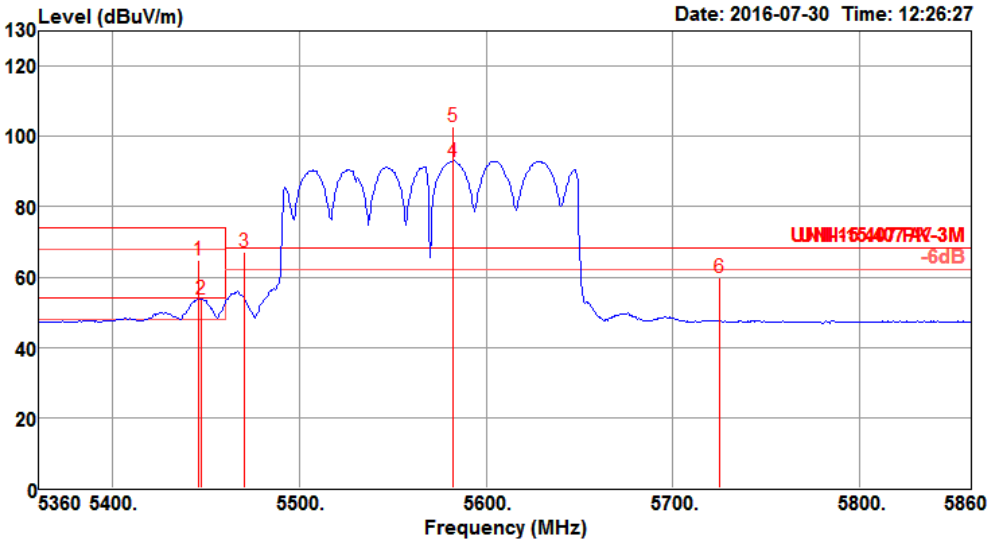
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.00	53.93	54.00	-0.07	46.05	7.66	35.14	34.92	298	172	Average	VERTICAL
2	5449.00	67.16	74.00	-6.84	59.24	7.69	35.15	34.92	298	172	Peak	VERTICAL
3	5467.00	67.98	68.20	-0.22	60.01	7.72	35.17	34.92	298	172	Peak	VERTICAL
4	5508.00	91.05			83.00	7.77	35.20	34.92	298	172	Average	VERTICAL
5	5509.00	100.58			92.53	7.77	35.20	34.92	298	172	Peak	VERTICAL
6	5746.00	59.83	68.20	-8.37	51.75	7.77	35.25	34.94	298	172	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

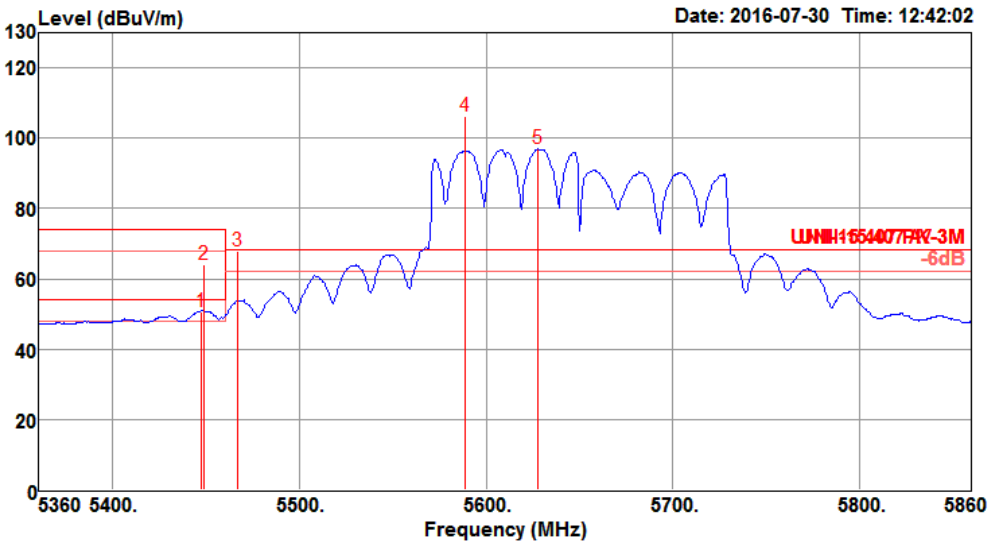


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.00	64.94	74.00	-9.06	57.06	7.66	35.14	34.92	274	181	Peak	VERTICAL
2	5447.00	53.83	54.00	-0.17	45.95	7.66	35.14	34.92	274	181	Average	VERTICAL
3	5470.00	66.99	68.20	-1.21	59.02	7.72	35.17	34.92	274	181	Peak	VERTICAL
4	5582.00	92.96			84.76	7.91	35.22	34.93	274	181	Average	VERTICAL
5	5582.00	102.60			94.40	7.91	35.22	34.93	274	181	Peak	VERTICAL
6	5725.00	60.01	68.20	-8.19	51.91	7.79	35.25	34.94	274	181	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 15 / CH 122+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4

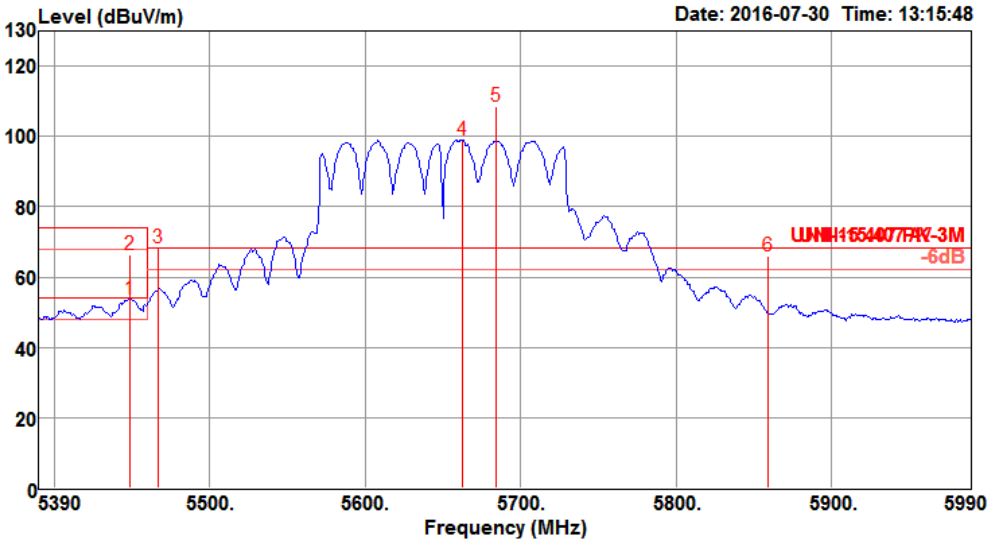
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.00	50.82	54.00	-3.18	42.94	7.66	35.14	34.92	275	235	Average	VERTICAL
2	5449.00	63.87	74.00	-10.13	55.95	7.69	35.15	34.92	275	235	Peak	VERTICAL
3	5467.00	67.86	68.20	-0.34	59.89	7.72	35.17	34.92	275	235	Peak	VERTICAL
4	5589.00	106.32			98.12	7.91	35.22	34.93	275	235	Peak	VERTICAL
5	5628.00	96.85			88.65	7.90	35.23	34.93	275	235	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

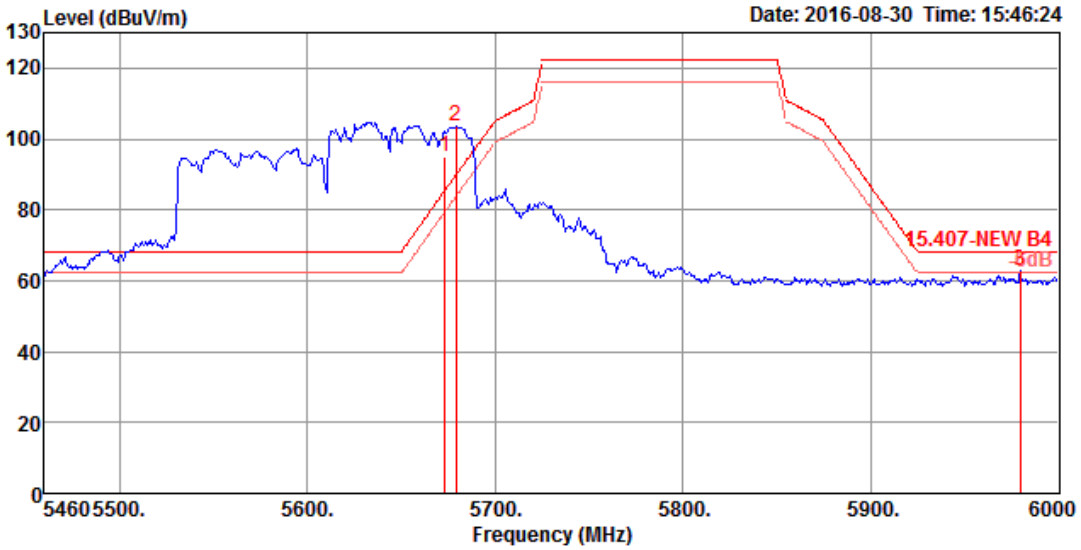
Channel 138 (UNII 2C)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.80	53.61	54.00	-0.39	45.69	7.69	35.15	34.92	293	176	Average	VERTICAL
2	5448.80	66.22	74.00	-7.78	58.30	7.69	35.15	34.92	293	176	Peak	VERTICAL
3	5466.80	68.15	68.20	-0.05	60.18	7.72	35.17	34.92	293	176	Peak	VERTICAL
4	5662.40	99.05			90.90	7.86	35.23	34.94	293	176	Average	VERTICAL
5	5684.00	108.41			100.27	7.84	35.24	34.94	293	176	Peak	VERTICAL
6	5859.20	65.92	68.20	-2.28	57.79	7.82	35.27	34.96	275	140	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5690 MHz.

Channel 138 (UNII 3)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 @	5673.20	94.94			86.91	7.69	32.02	31.68	275	140	Average	HORIZONTAL
2 @	5679.24	103.56			95.53	7.69	32.02	31.68	275	140	Peak	HORIZONTAL
3	5979.48	62.96	68.20	-5.24	54.46	7.92	32.38	31.80	275	140	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

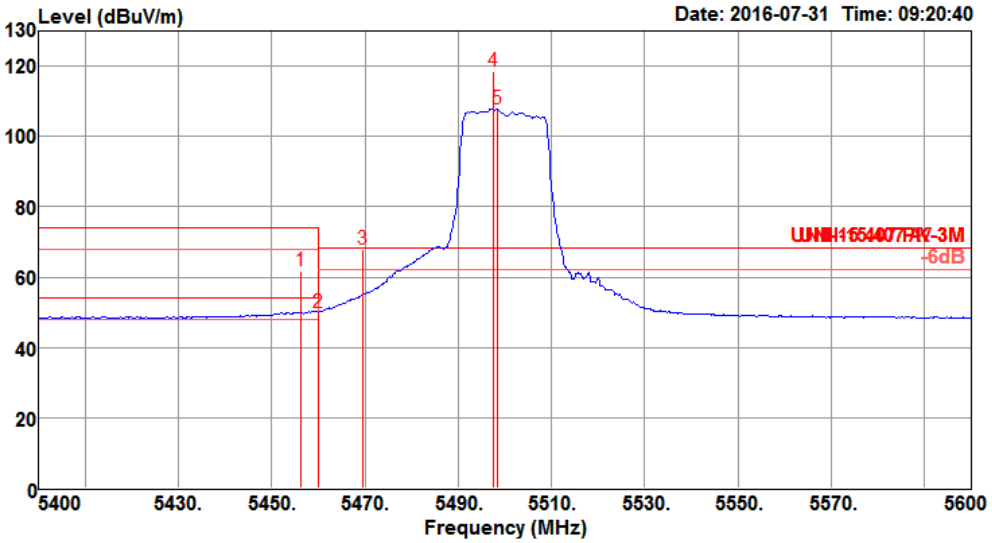
Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

For beamforming mode

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4

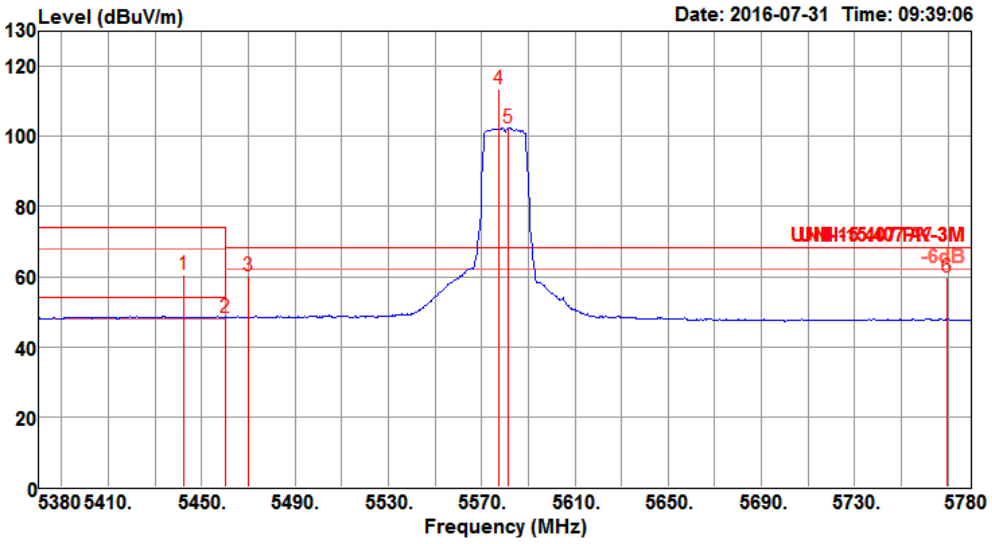
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.40	61.90	74.00	-12.10	53.98	7.69	35.15	34.92	276	174	Peak	VERTICAL
2	5460.00	50.00	54.00	-4.00	42.08	7.69	35.15	34.92	276	174	Average	VERTICAL
3	5469.60	67.94	68.20	-0.26	59.97	7.72	35.17	34.92	276	174	Peak	VERTICAL
4	5497.60	118.32			110.27	7.77	35.20	34.92	276	174	Peak	VERTICAL
5	5498.40	107.87			99.82	7.77	35.20	34.92	276	174	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

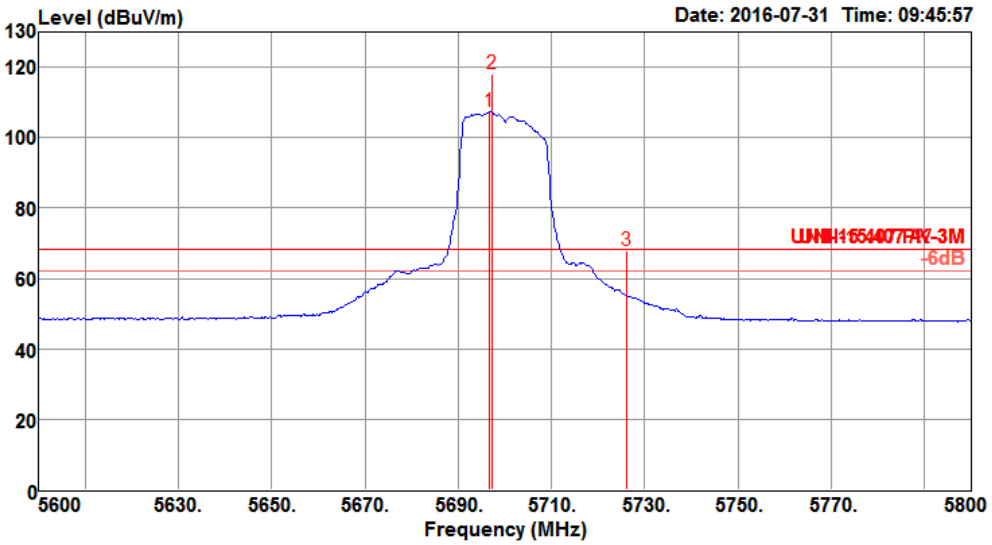
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5442.40	60.57	74.00	-13.43	52.69	7.66	35.14	34.92	276	253	Peak	HORIZONTAL
2	5460.00	48.50	54.00	-5.50	40.58	7.69	35.15	34.92	276	253	Average	HORIZONTAL
3	5470.00	60.36	68.20	-7.84	52.39	7.72	35.17	34.92	276	253	Peak	HORIZONTAL
4	5577.60	113.49			105.29	7.91	35.22	34.93	276	253	Peak	HORIZONTAL
5	5581.60	102.44			94.24	7.91	35.22	34.93	276	253	Average	HORIZONTAL
6	5769.60	59.77	68.20	-8.43	51.72	7.75	35.25	34.95	276	253	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

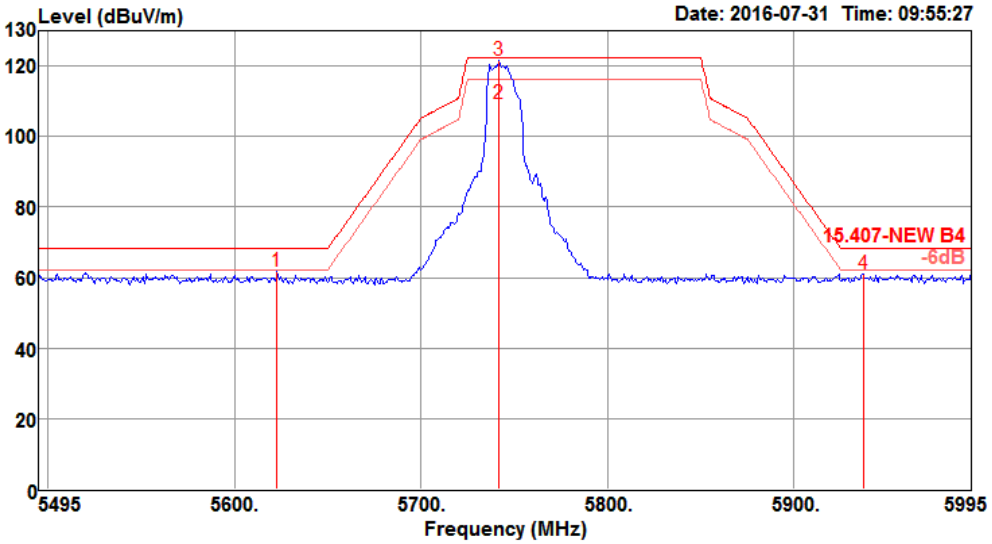


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.80	107.30			99.18	7.82	35.24	34.94	296	183	Average	VERTICAL
2	5697.20	118.18			110.06	7.82	35.24	34.94	296	183	Peak	VERTICAL
3	5726.00	67.78	68.20	-0.42	59.68	7.79	35.25	34.94	296	183	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4

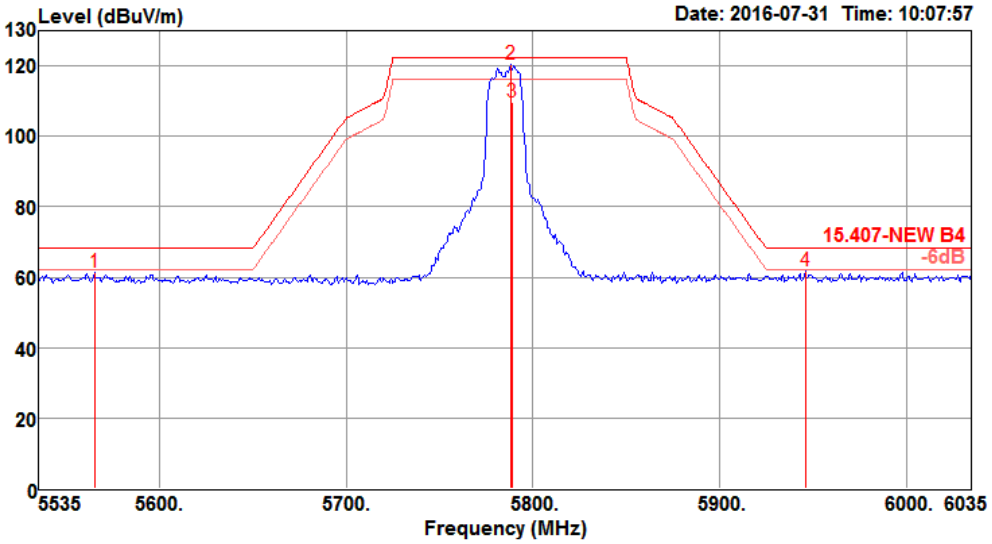
Channel 149



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5623.00	61.80	68.20	-6.40	53.59	7.92	35.22	34.93	297	183	Peak	VERTICAL
2	5742.00	109.23			101.15	7.77	35.25	34.94	297	183	Average	VERTICAL
3	5742.00	121.53			113.45	7.77	35.25	34.94	297	183	Peak	VERTICAL
4	5937.00	61.01	68.20	-7.19	52.74	7.94	35.29	34.96	297	183	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

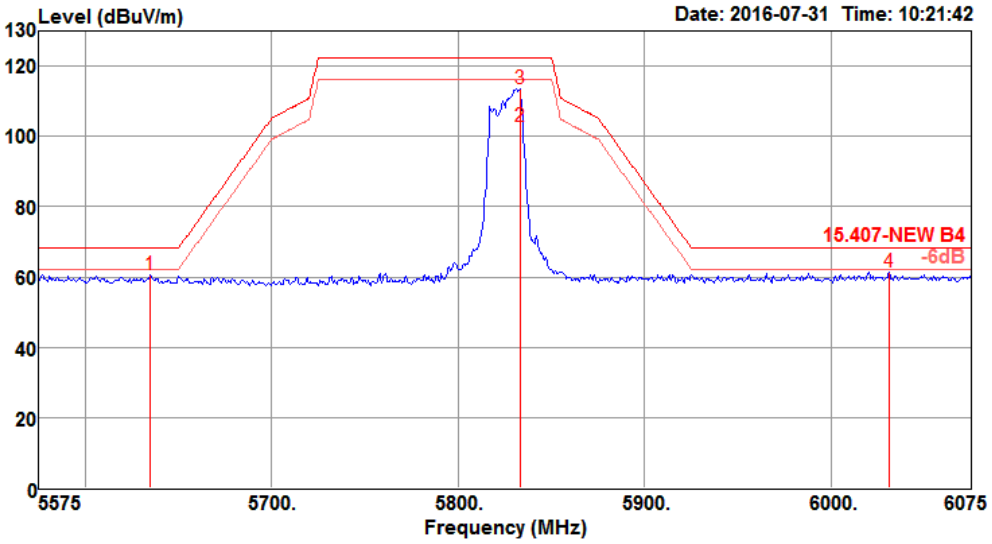
Channel 157



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5565.00	61.40	68.20	-6.80	53.24	7.88	35.21	34.93	299	184	Peak	VERTICAL
2	5788.00	120.27			112.23	7.73	35.26	34.95	299	184	Peak	VERTICAL
3	5789.00	109.67			101.65	7.71	35.26	34.95	299	184	Average	VERTICAL
4	5946.00	61.61	68.20	-6.59	53.32	7.97	35.29	34.97	299	184	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

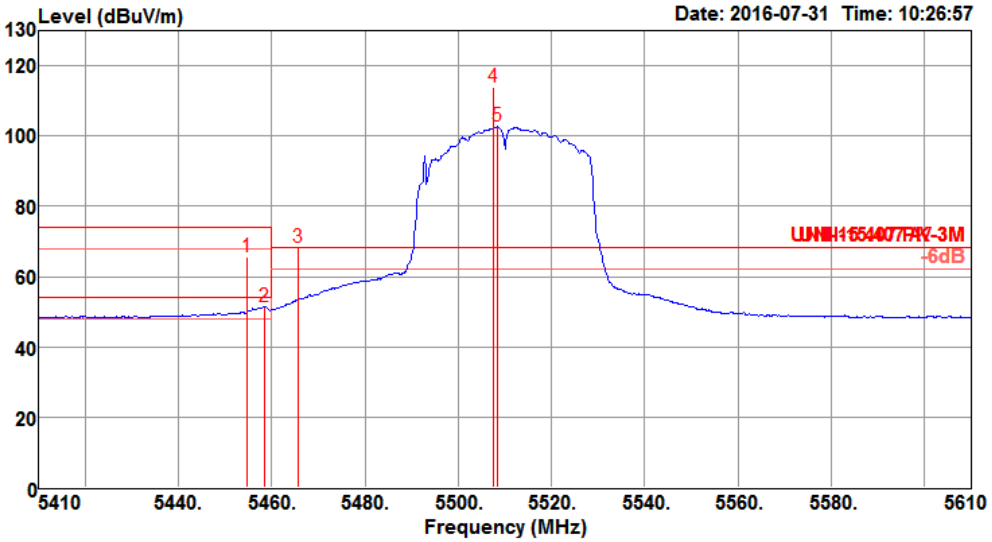


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5635.00	60.79	68.20	-7.41	52.59	7.90	35.23	34.93	280	107	Peak	HORIZONTAL
2	5833.00	102.67			94.58	7.77	35.27	34.95	280	107	Average	HORIZONTAL
3	5833.00	113.62			105.53	7.77	35.27	34.95	280	107	Peak	HORIZONTAL
4	6031.00	61.42	68.20	-6.78	52.99	8.09	35.31	34.97	280	107	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4

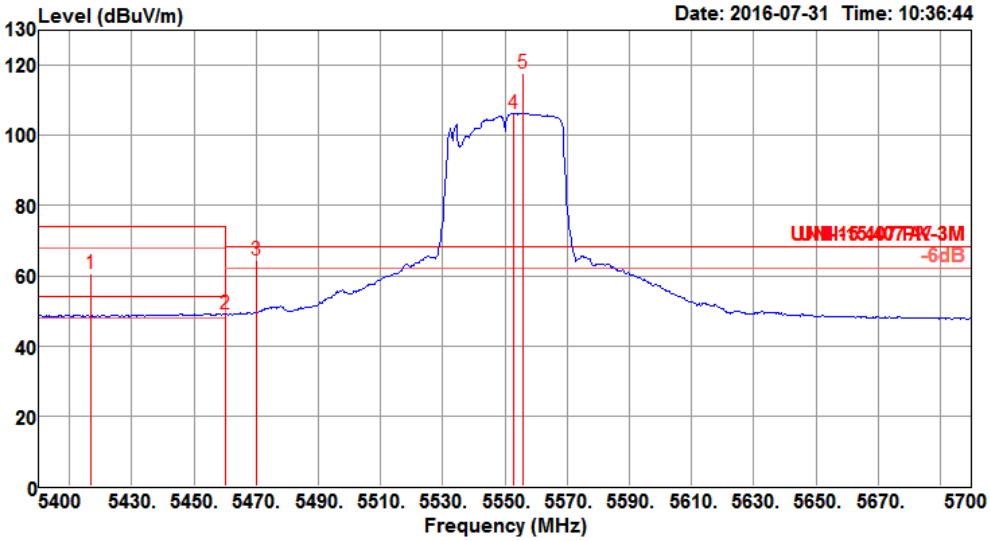
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.80	65.62	74.00	-8.38	57.70	7.69	35.15	34.92	291	227	Peak	VERTICAL
2	5458.40	51.43	54.00	-2.57	43.51	7.69	35.15	34.92	291	227	Average	VERTICAL
3	5465.60	68.18	68.20	-0.02	60.21	7.72	35.17	34.92	291	227	Peak	VERTICAL
4	5507.60	114.09			106.04	7.77	35.20	34.92	291	227	Peak	VERTICAL
5	5508.40	102.60			94.55	7.77	35.20	34.92	291	227	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

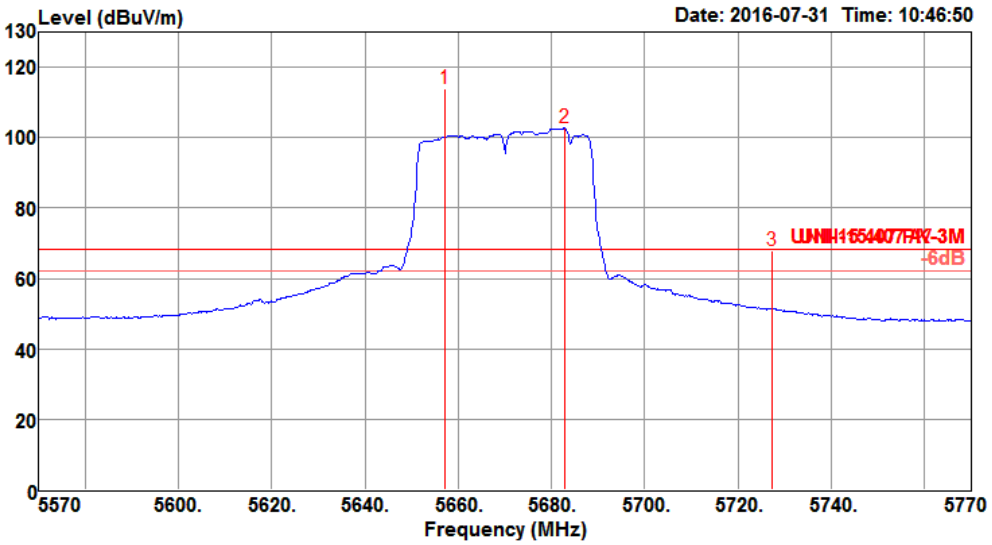
Channel 110



	Freq	Level	Line	Limit	Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5416.80	60.52	74.00	-13.48	52.68	7.64	35.12	34.92	276	186	Peak	VERTICAL
2	5460.00	49.04	54.00	-4.96	41.12	7.69	35.15	34.92	276	186	Average	VERTICAL
3	5470.00	64.44	68.20	-3.76	56.47	7.72	35.17	34.92	276	186	Peak	VERTICAL
4	5553.00	106.41			98.26	7.86	35.21	34.92	276	186	Average	VERTICAL
5	5556.00	117.60			109.45	7.86	35.21	34.92	276	186	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

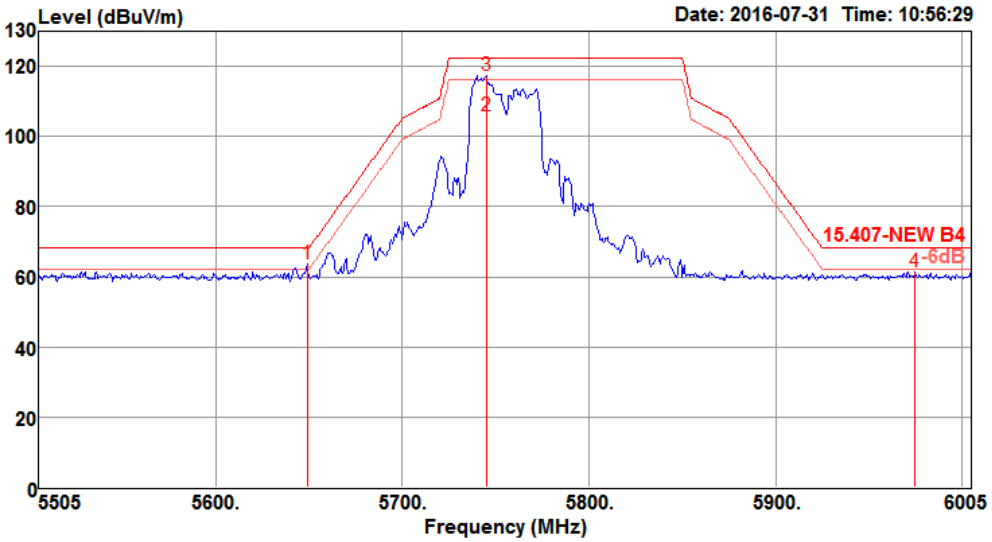


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5657.20	113.74			105.59	7.86	35.23	34.94	280	174	Peak	VERTICAL
2	5682.80	102.79			94.65	7.84	35.24	34.94	280	174	Average	VERTICAL
3	5727.20	67.96	68.20	-0.24	59.86	7.79	35.25	34.94	280	174	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4

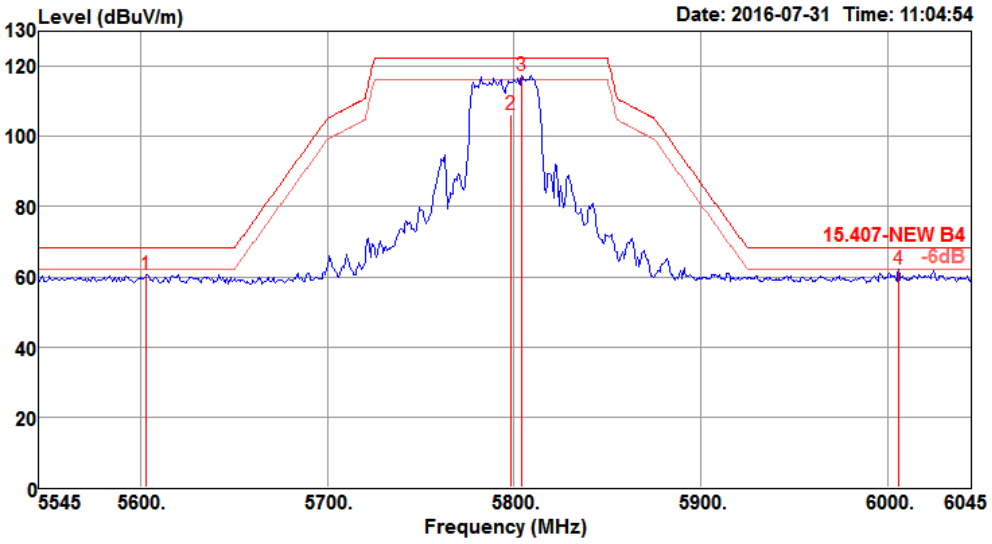
Channel 151



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5649.00	63.79	68.20	-4.41	55.61	7.88	35.23	34.93	283	188	Peak	VERTICAL
2	5745.00	105.69			97.61	7.77	35.25	34.94	283	188	Average	VERTICAL
3	5745.00	117.46			109.38	7.77	35.25	34.94	283	188	Peak	VERTICAL
4	5975.00	61.27	68.20	-6.93	52.96	7.99	35.29	34.97	283	188	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

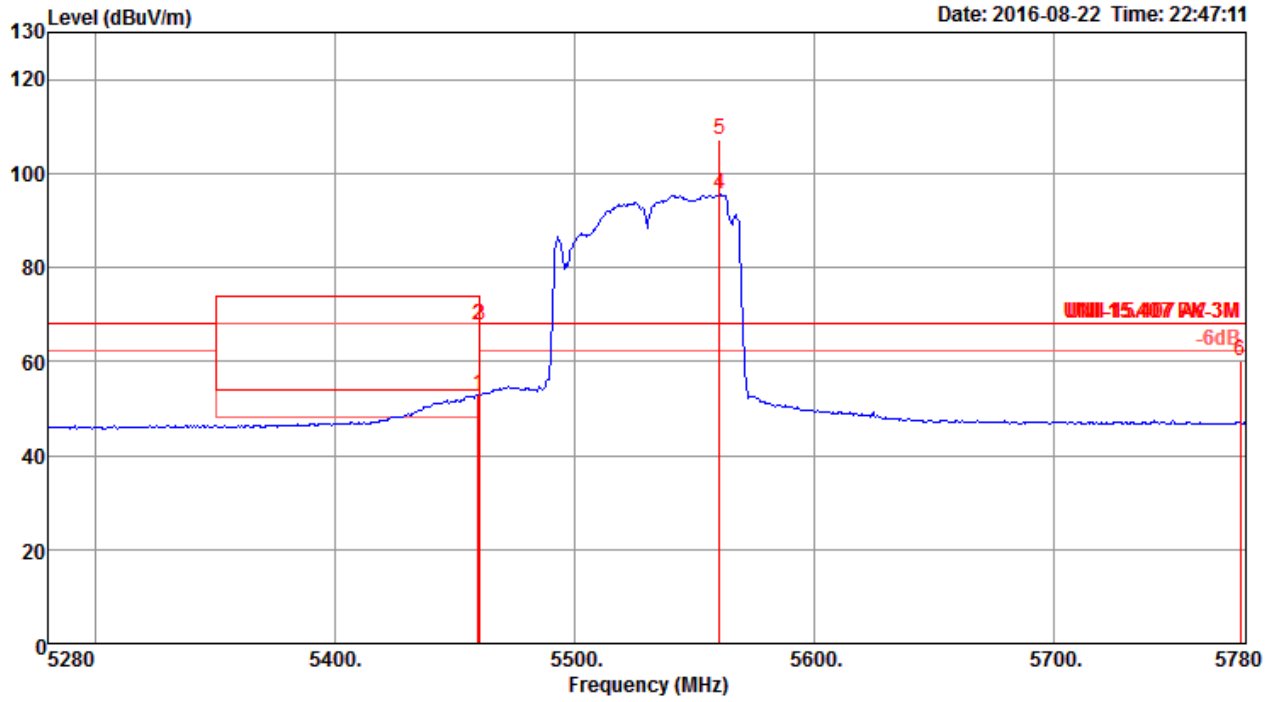


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5603.00	60.73	68.20	-7.47	52.50	7.94	35.22	34.93	283	184	Peak	VERTICAL
2	5798.00	106.20			98.18	7.71	35.26	34.95	283	184	Average	VERTICAL
3	5804.00	117.38			109.36	7.71	35.26	34.95	283	184	Peak	VERTICAL
4	6006.00	62.06	68.20	-6.14	53.68	8.05	35.30	34.97	283	184	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

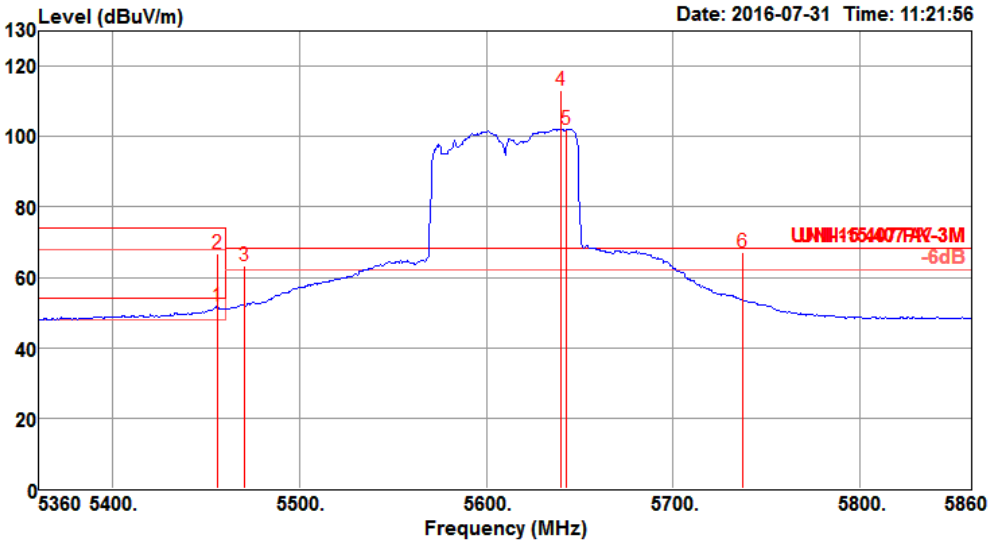
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.49	53.01	54.00	-0.99	45.03	6.68	34.23	32.93	211	228	Average	VERTICAL
2	5460.00	67.75	74.00	-6.25	59.77	6.68	34.23	32.93	211	228	Peak	VERTICAL
3	5460.29	67.75	68.20	-0.45	59.77	6.68	34.23	32.93	211	228	Peak	VERTICAL
4	5560.45	95.55			87.43	6.73	34.34	32.95	211	228	Average	VERTICAL
5	5560.45	107.09			98.97	6.73	34.34	32.95	211	228	Peak	VERTICAL
6	5777.60	59.97	68.20	-8.23	51.57	6.93	34.47	33.00	211	228	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

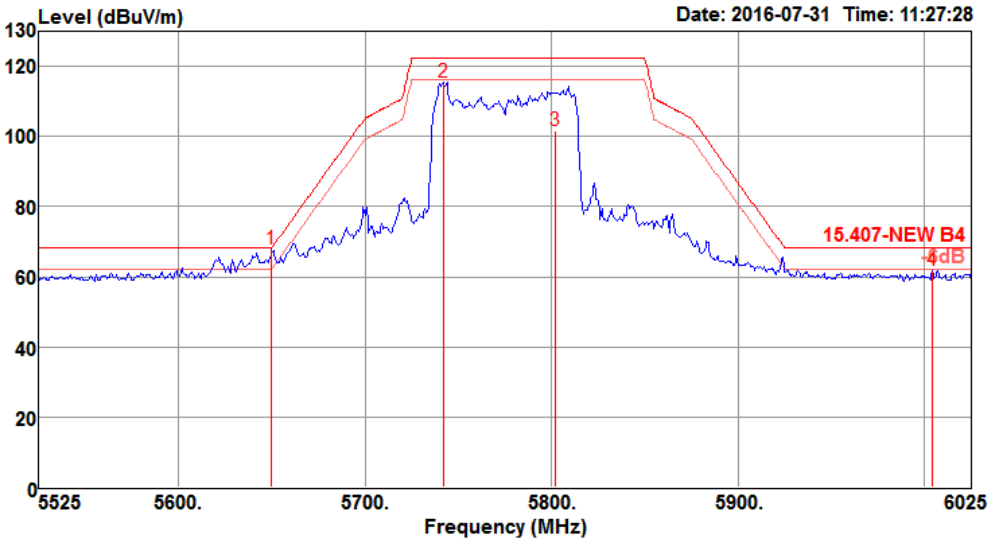
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	51.73	54.00	-2.27	43.81	7.69	35.15	34.92	278	180	Average	VERTICAL
2	5456.00	66.55	74.00	-7.45	58.63	7.69	35.15	34.92	278	180	Peak	VERTICAL
3	5470.00	63.11	68.20	-5.09	55.14	7.72	35.17	34.92	278	180	Peak	VERTICAL
4	5640.00	113.23			105.03	7.90	35.23	34.93	278	180	Peak	VERTICAL
5	5643.00	102.14			93.96	7.88	35.23	34.93	278	180	Average	VERTICAL
6	5737.00	67.18	68.20	-1.02	59.08	7.79	35.25	34.94	278	180	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Channel 155



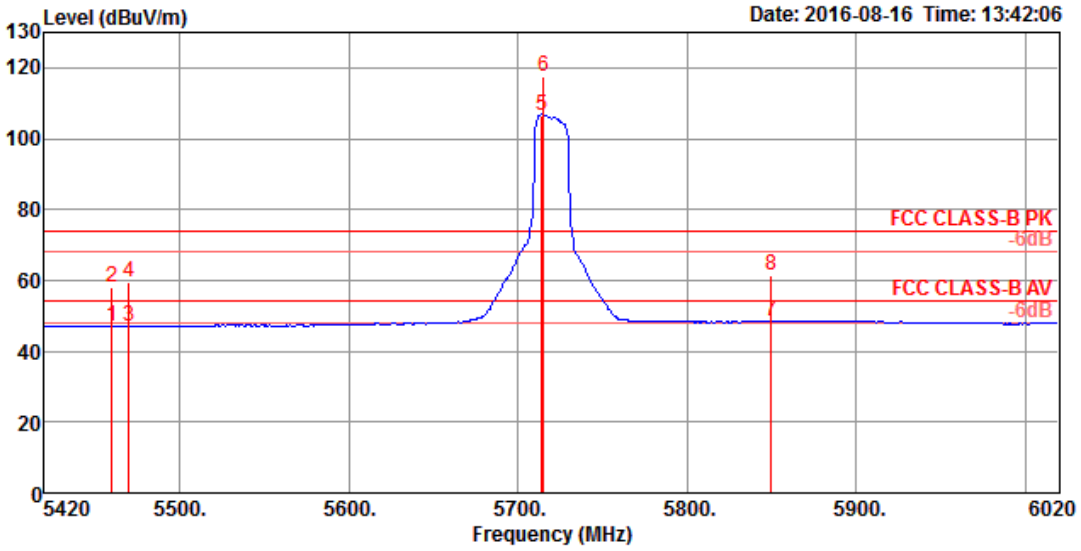
	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5650.00	67.89	68.20	-0.31	59.71	7.88	35.23	34.93	269	181	Peak	VERTICAL
2	5742.00	115.53			107.45	7.77	35.25	34.94	269	181	Peak	VERTICAL
3	5802.00	101.81			93.79	7.71	35.26	34.95	269	181	Average	VERTICAL
4	6004.00	61.73	68.20	-6.47	53.35	8.05	35.30	34.97	269	181	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

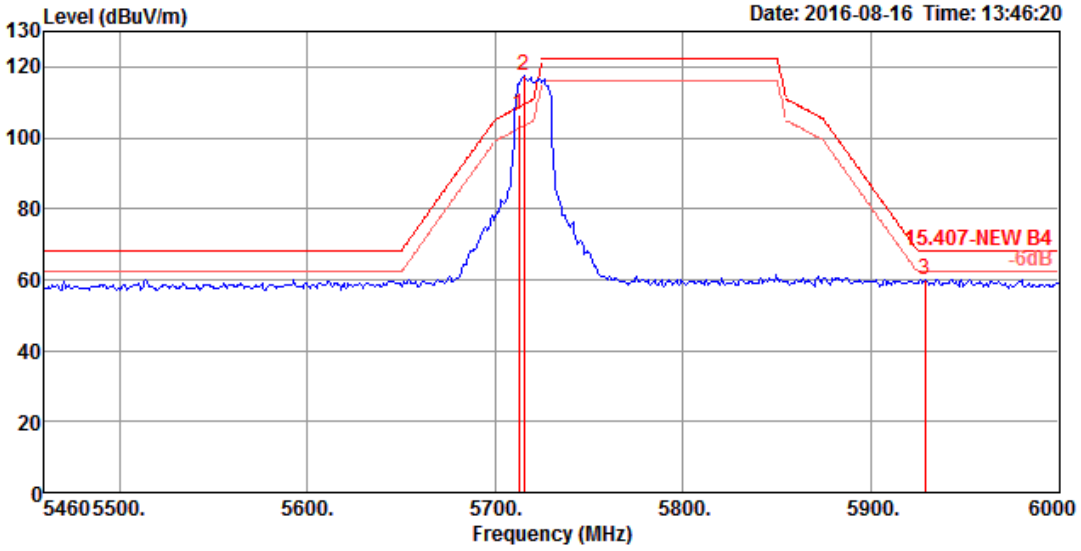


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	47.05	54.00	-6.95	39.85	8.33	31.75	32.88	298	150	Average	HORIZONTAL
2	5460.00	57.89	74.00	-16.11	50.69	8.33	31.75	32.88	298	150	Peak	HORIZONTAL
3	5470.00	47.09	54.00	-6.91	39.86	8.33	31.77	32.87	298	150	Average	HORIZONTAL
4	5470.00	59.31	74.00	-14.69	52.08	8.33	31.77	32.87	298	150	Peak	HORIZONTAL
5 0	5714.00	106.69			98.70	8.82	32.06	32.89	298	150	Average	HORIZONTAL
6 0	5715.20	117.44			109.45	8.82	32.06	32.89	298	150	Peak	HORIZONTAL
7	5850.00	48.32	54.00	-5.68	40.03	8.98	32.22	32.91	298	150	Average	HORIZONTAL
8	5850.00	61.37	74.00	-12.63	53.08	8.98	32.22	32.91	298	150	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 144

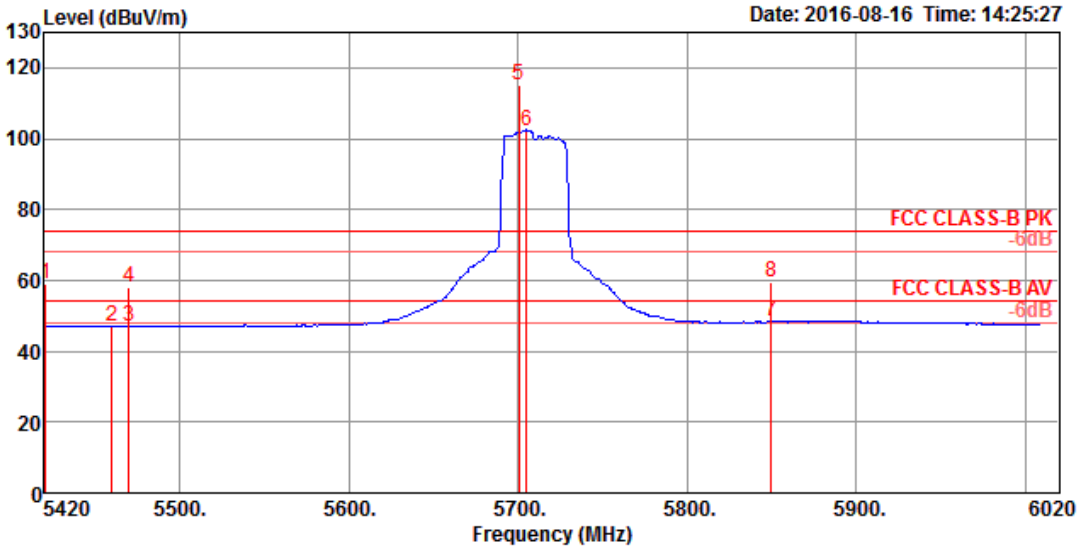


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.80	106.60			98.61	8.82	32.06	32.89	298	150	Average	HORIZONTAL
2 0	5715.20	117.49			109.50	8.82	32.06	32.89	298	150	Peak	HORIZONTAL
3	5928.80	60.08	68.20	-8.12	52.03	8.64	32.32	32.91	298	150	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 142

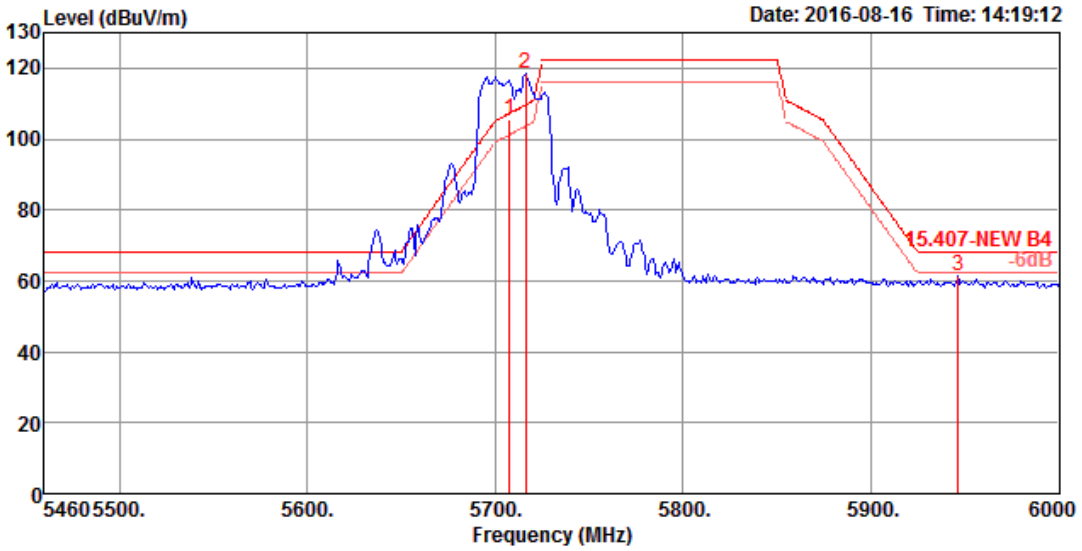


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5420.80	59.21	74.00	-14.79	52.03	8.34	31.72	32.88	300	143	Peak	HORIZONTAL
2	5460.00	46.87	54.00	-7.13	39.67	8.33	31.75	32.88	300	143	Average	HORIZONTAL
3	5470.00	46.95	54.00	-7.05	39.72	8.33	31.77	32.87	300	143	Average	HORIZONTAL
4	5470.00	58.20	74.00	-15.80	50.97	8.33	31.77	32.87	300	143	Peak	HORIZONTAL
5 0	5700.40	114.98			107.08	8.75	32.04	32.89	300	143	Peak	HORIZONTAL
6 0	5705.20	102.29			94.39	8.75	32.04	32.89	300	143	Average	HORIZONTAL
7	5850.00	48.28	54.00	-5.72	39.99	8.98	32.22	32.91	300	143	Average	HORIZONTAL
8	5850.00	59.61	74.00	-14.39	51.32	8.98	32.22	32.91	300	143	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 142

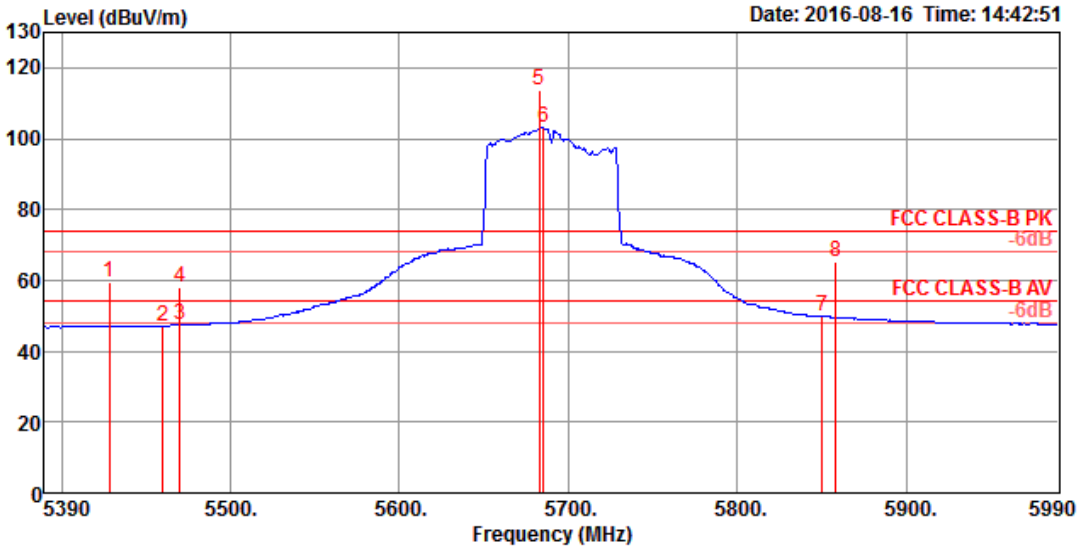


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.60	105.55			97.56	8.82	32.06	32.89	236	180	Average	VERTICAL
2 0	5716.00	118.64			110.65	8.82	32.06	32.89	236	180	Peak	VERTICAL
3	5946.40	61.41	68.20	-6.79	53.40	8.58	32.34	32.91	236	180	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 (UNII 2C) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 138

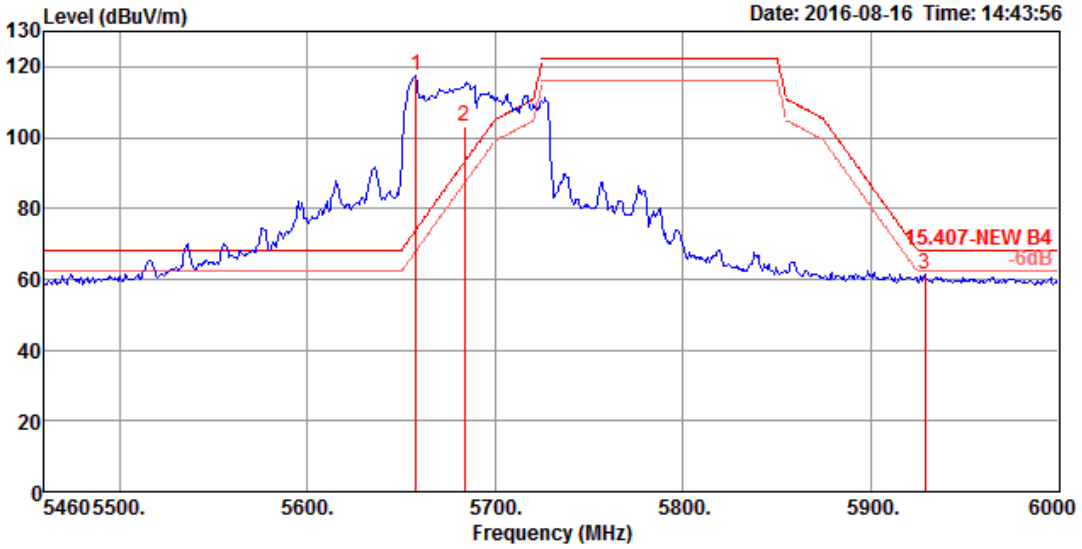


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5428.40	59.50	74.00	-14.50	52.32	8.34	31.72	32.88	278	180	Peak	VERTICAL
2	5460.00	47.07	54.00	-6.93	39.87	8.33	31.75	32.88	278	180	Average	VERTICAL
3	5470.00	47.37	54.00	-6.63	40.14	8.33	31.77	32.87	278	180	Average	VERTICAL
4	5470.00	58.00	74.00	-16.00	50.77	8.33	31.77	32.87	278	180	Peak	VERTICAL
5 0	5682.80	113.73			105.92	8.68	32.02	32.89	278	180	Peak	VERTICAL
6 0	5685.20	102.93			95.12	8.68	32.02	32.89	278	180	Average	VERTICAL
7	5850.00	50.05	54.00	-3.95	41.76	8.98	32.22	32.91	278	180	Average	VERTICAL
8	5858.00	65.01	74.00	-8.99	56.76	8.92	32.24	32.91	278	180	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5690 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 (UNII 3) / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel 138



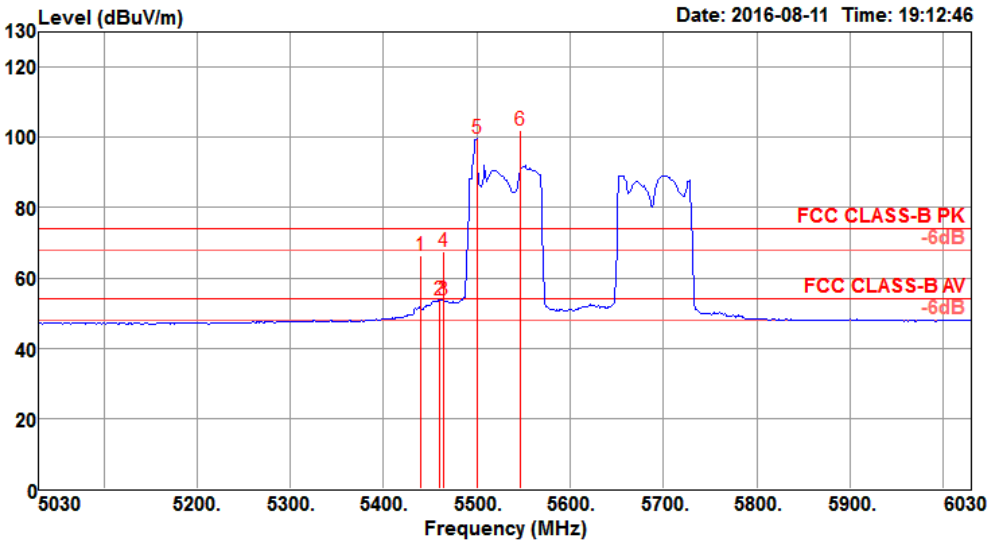
		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	0	5657.64	117.47			109.76	8.60	32.00	32.89	278	180	Peak	VERTICAL
2	0	5683.56	103.03			95.22	8.68	32.02	32.89	278	180	Average	VERTICAL
3		5928.72	61.60	68.20	-6.60	53.55	8.64	32.32	32.91	278	180	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

802.11ac MCS0/Nss2 VHT80+80

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 9 / CH 106+138 / Chain 1 + Chain 2 + Chain 3 + Chain 4

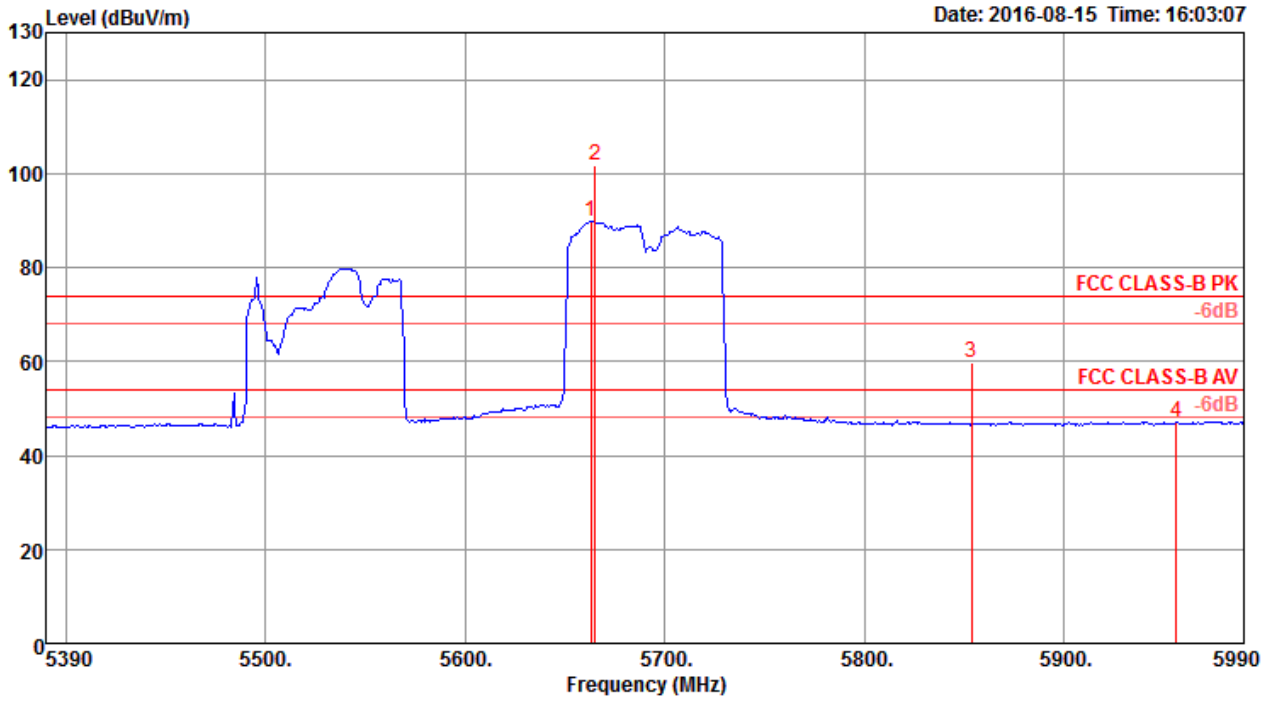
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5440.00	66.30	74.00	-7.70	58.42	7.66	35.14	34.92	288	167	Peak	VERTICAL
2	5460.00	53.62	54.00	-0.38	45.70	7.69	35.15	34.92	288	167	Average	VERTICAL
3	5464.00	53.73	54.00	-0.27	45.76	7.72	35.17	34.92	288	167	Average	VERTICAL
4	5464.00	67.49	74.00	-6.51	59.52	7.72	35.17	34.92	288	167	Peak	VERTICAL
5	5500.00	99.55			91.50	7.77	35.20	34.92	288	167	Average	VERTICAL
6	5546.00	102.09			93.94	7.86	35.21	34.92	288	167	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

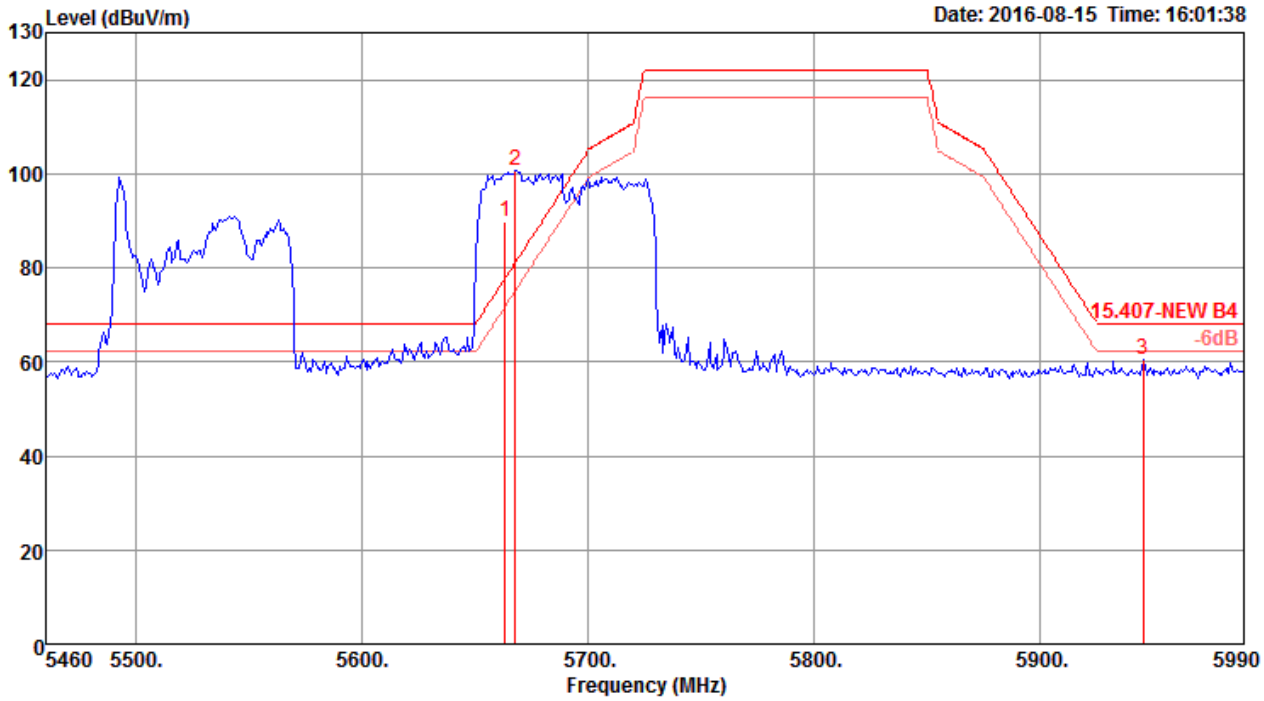
Channel 138 (UNII 2C)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5663.08	89.86			81.61	6.82	34.40	32.97	297	290	Average	HORIZONTAL
2	5665.00	101.69			93.44	6.82	34.40	32.97	297	290	Peak	HORIZONTAL
3	5853.46	59.84	74.00	-14.16	51.39	6.96	34.51	33.02	297	290	Peak	HORIZONTAL
4	5956.35	47.12	54.00	-6.88	38.61	6.99	34.57	33.05	297	290	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Channel 138 (UNII 3)

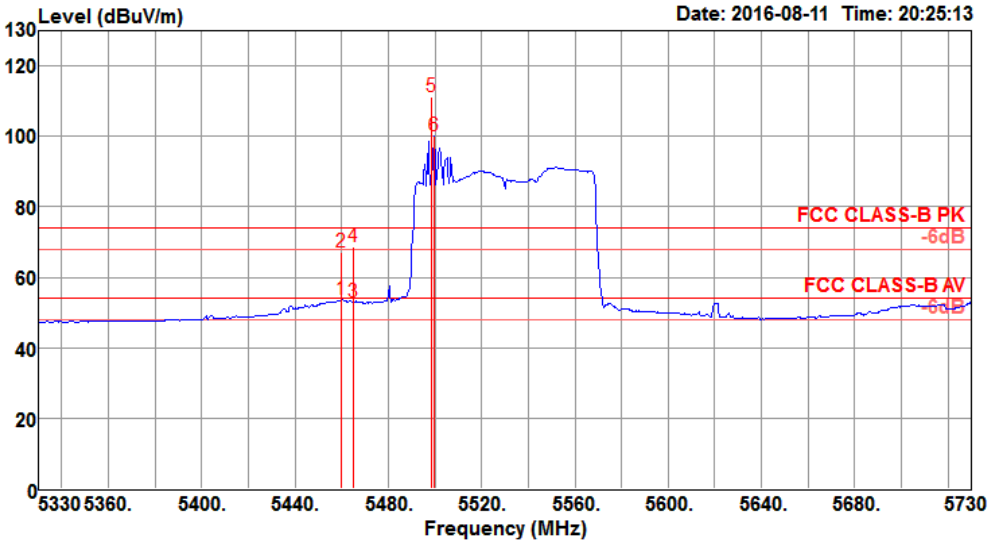


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5663.08	89.86			81.61	6.82	34.40	32.97	297	290	Average	HORIZONTAL
2	5667.80	100.64			92.39	6.82	34.40	32.97	297	290	Peak	HORIZONTAL
3	5945.60	60.35	68.20	-7.85	51.84	6.99	34.57	33.05	297	290	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 10 / CH 106+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

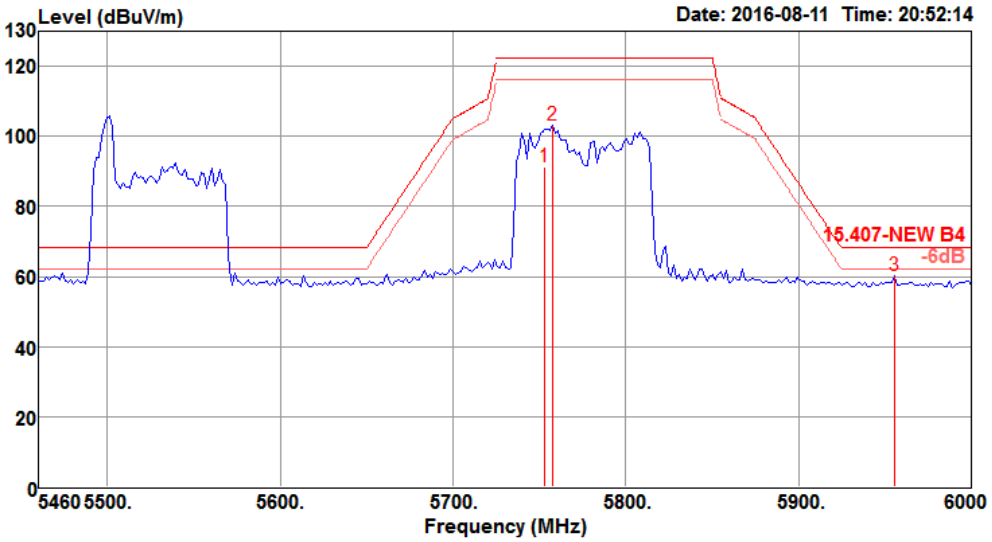
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	53.54	54.00	-0.46	45.62	7.69	35.15	34.92	286	170	Average	VERTICAL
2	5460.00	67.30	74.00	-6.70	59.38	7.69	35.15	34.92	286	170	Peak	VERTICAL
3	5465.20	53.02	54.00	-0.98	45.05	7.72	35.17	34.92	286	170	Average	VERTICAL
4	5465.20	68.62	74.00	-5.38	60.65	7.72	35.17	34.92	286	170	Peak	VERTICAL
5	5498.80	111.23			103.18	7.77	35.20	34.92	286	170	Peak	VERTICAL
6	5499.60	100.10			92.05	7.77	35.20	34.92	286	170	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 155

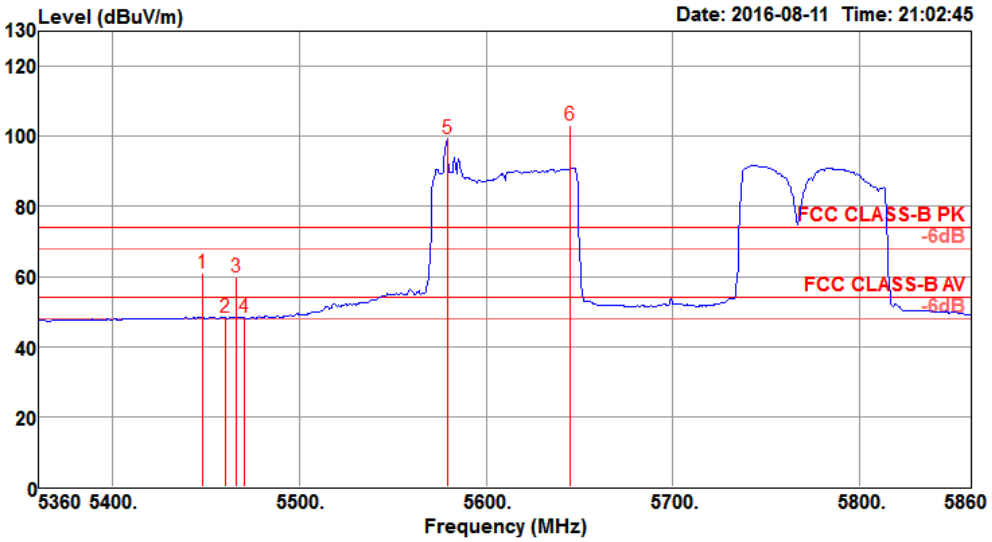


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5752.60	91.11			83.03	7.77	35.25	34.94	290	151	Peak	HORIZONTAL
2	5757.40	103.17			95.12	7.75	35.25	34.95	290	151	Peak	HORIZONTAL
3	5955.80	60.19	68.20	-8.01	51.90	7.97	35.29	34.97	290	151	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 11 / CH 122+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

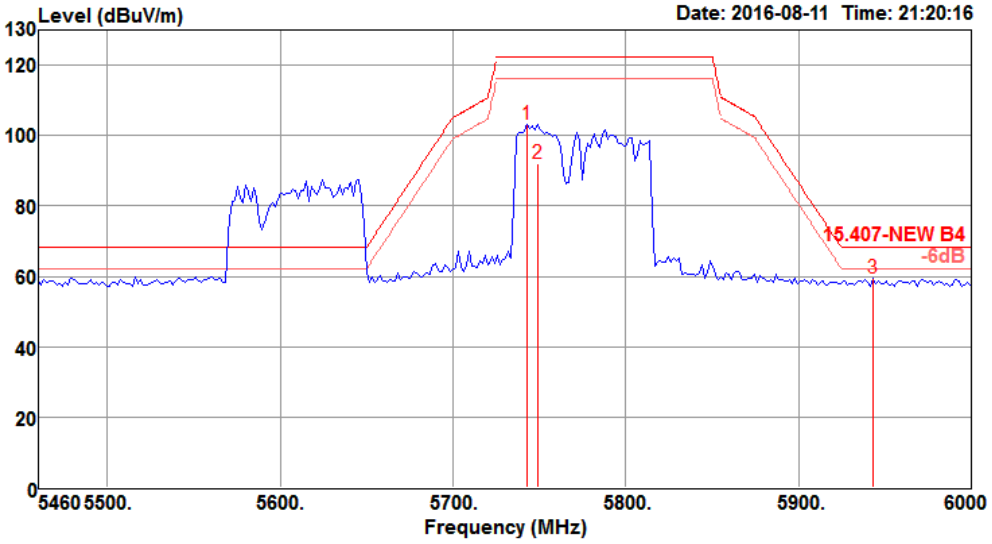
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.00	60.96	74.00	-13.04	53.04	7.69	35.15	34.92	281	168	Peak	VERTICAL
2	5460.00	48.20	54.00	-5.80	40.28	7.69	35.15	34.92	281	168	Average	VERTICAL
3	5466.00	59.67	74.00	-14.33	51.70	7.72	35.17	34.92	281	168	Peak	VERTICAL
4	5470.00	48.22	54.00	-5.78	40.25	7.72	35.17	34.92	281	168	Average	VERTICAL
5	5579.00	99.35			91.15	7.91	35.22	34.93	281	168	Average	VERTICAL
6	5645.20	103.36			95.18	7.88	35.23	34.93	281	168	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 155

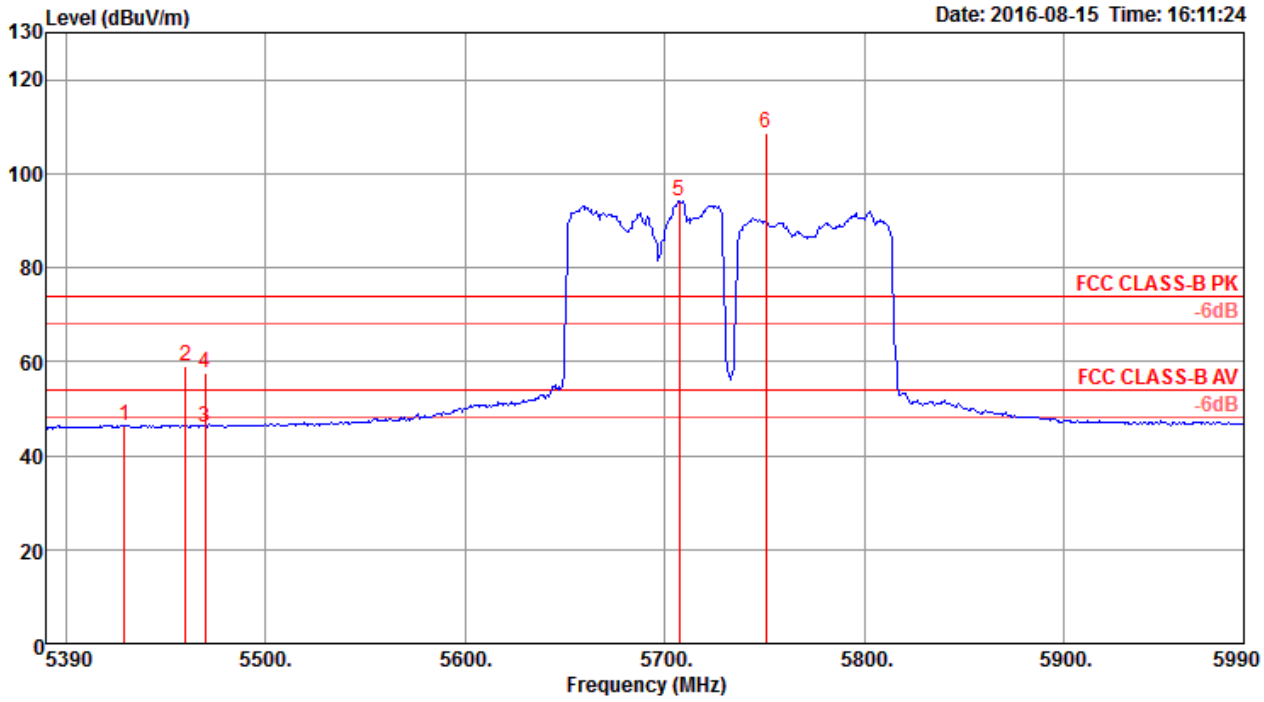


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5743.00	103.33			95.25	7.77	35.25	34.94	300	141	Peak	HORIZONTAL
2	5749.40	92.01			83.93	7.77	35.25	34.94	300	141	Peak	HORIZONTAL
3	5943.00	59.63	68.20	-8.57	51.34	7.97	35.29	34.97	300	141	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 12 / CH 138+155 / Chain 1 + Chain 2 + Chain 3 + Chain 4

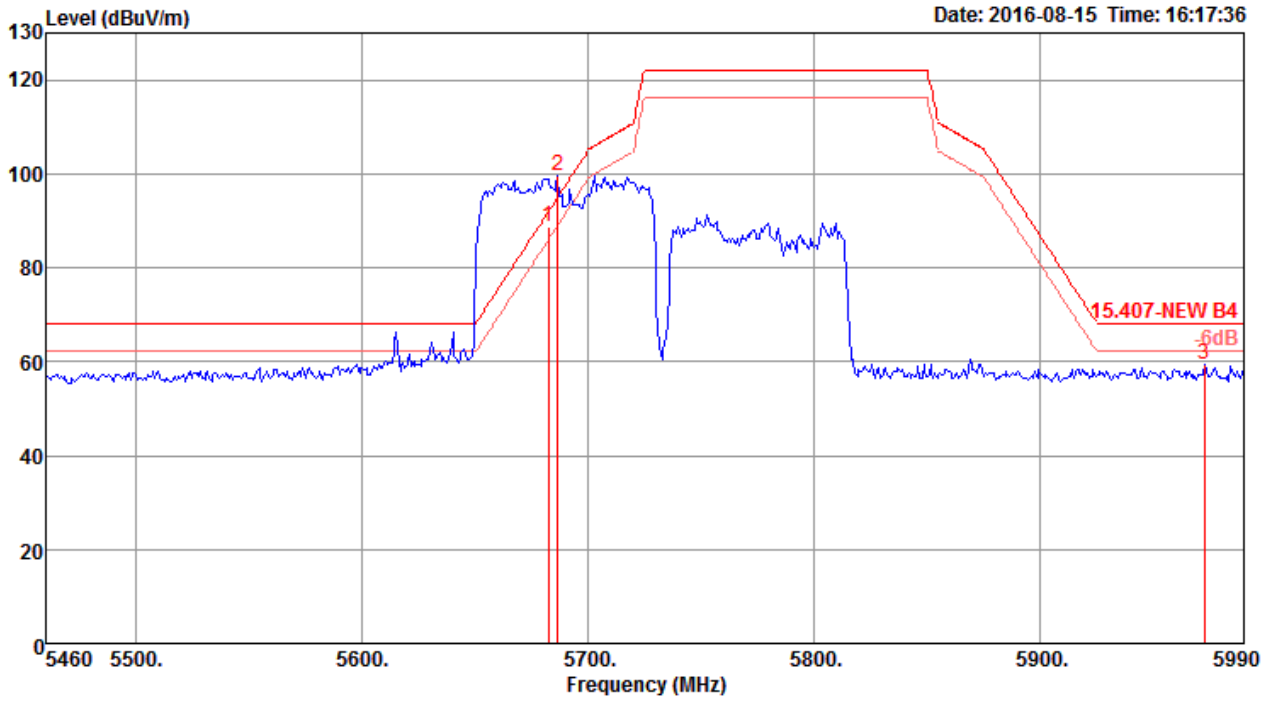
Channel 138 (UNII 2C)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5429.42	46.49	54.00	-7.51	38.57	6.67	34.18	32.93	281	178	Average	VERTICAL
2	5460.00	58.92	74.00	-15.08	50.94	6.68	34.23	32.93	281	178	Peak	VERTICAL
3	5470.00	46.15	54.00	-7.85	38.14	6.69	34.25	32.93	281	178	Average	VERTICAL
4	5470.00	57.54	74.00	-16.46	49.53	6.69	34.25	32.93	281	178	Peak	VERTICAL
5	5707.31	94.19			85.87	6.87	34.43	32.98	281	178	Average	VERTICAL
6	5750.58	108.52			100.17	6.90	34.45	33.00	281	178	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5690 MHz.

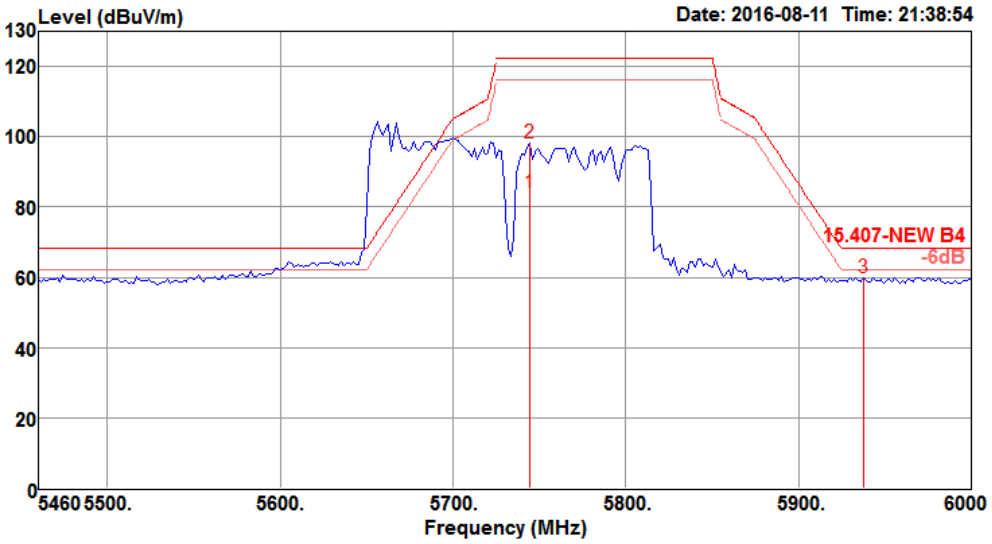
Channel 138 (UNII 3)



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.31	88.64			80.38	6.83	34.41	32.98	298	292	Average	HORIZONTAL
2	5686.40	99.42			91.16	6.83	34.41	32.98	298	292	Peak	HORIZONTAL
3	5972.60	59.24	68.20	-8.96	50.72	6.99	34.58	33.05	298	292	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Channel 155

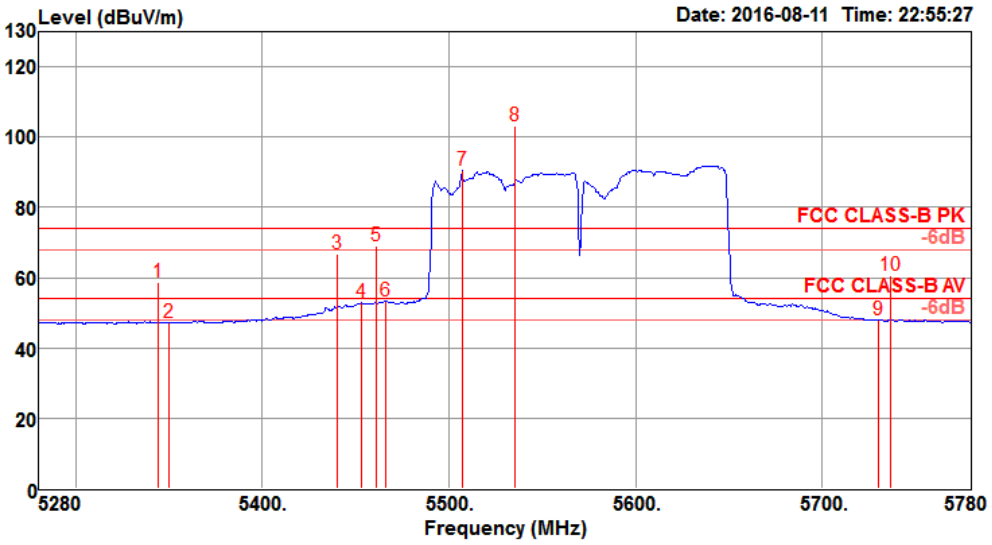


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5744.40	84.05			75.97	7.77	35.25	34.94	300	48	Average	HORIZONTAL
2	5744.40	98.05			89.97	7.77	35.25	34.94	300	48	Peak	HORIZONTAL
3	5938.00	60.02	68.20	-8.18	51.75	7.94	35.29	34.96	300	48	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5775 MHz.

Temperature	22°C	Humidity	54%
Test Engineer	Zero Chen & Stim Sung & Steven Liang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80+80 Type 14 / CH 106+122 / Chain 1 + Chain 2 + Chain 3 + Chain 4

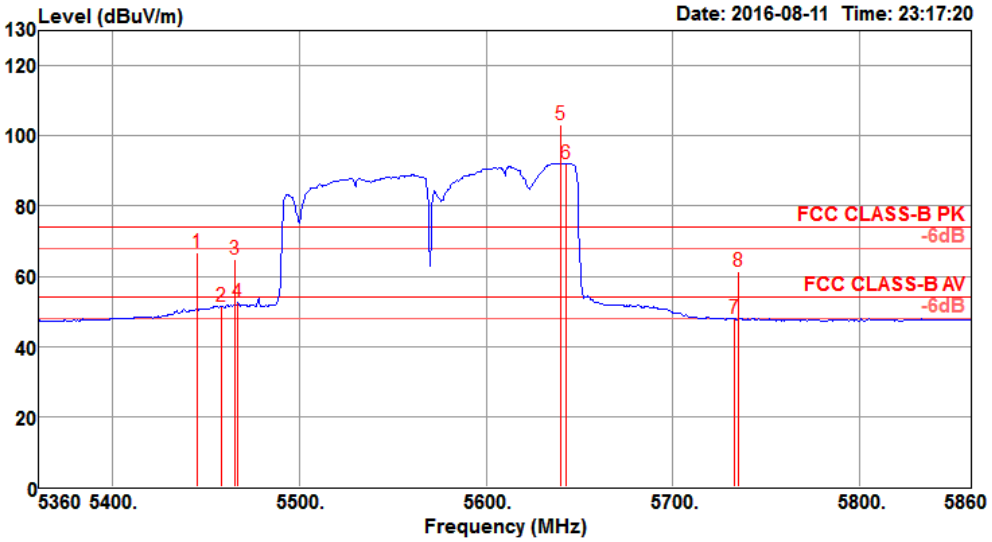
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5344.00	58.82	74.00	-15.18	51.12	7.56	35.05	34.91	300	174	Peak	VERTICAL
2	5350.00	47.23	54.00	-6.77	39.53	7.56	35.05	34.91	300	174	Average	VERTICAL
3	5440.00	66.85	74.00	-7.15	58.97	7.66	35.14	34.92	300	174	Peak	VERTICAL
4	5453.00	52.88	54.00	-1.12	44.96	7.69	35.15	34.92	300	174	Average	VERTICAL
5	5461.00	69.20	74.00	-4.80	61.28	7.69	35.15	34.92	300	174	Peak	VERTICAL
6	5466.00	53.39	54.00	-0.61	45.42	7.72	35.17	34.92	300	174	Average	VERTICAL
7	5507.00	90.53			82.48	7.77	35.20	34.92	300	174	Peak	VERTICAL
8	5535.40	103.24			95.12	7.83	35.21	34.92	300	174	Peak	VERTICAL
9	5730.00	48.12	54.00	-5.88	40.02	7.79	35.25	34.94	300	174	Average	VERTICAL
10	5737.00	60.53	74.00	-13.47	52.43	7.79	35.25	34.94	300	174	Peak	VERTICAL

Item 7, 8 are the fundamental frequency at 5530 MHz.

Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.00	66.60	74.00	-7.40	58.72	7.66	35.14	34.92	290	184	Peak	VERTICAL
2	5458.00	51.41	54.00	-2.59	43.49	7.69	35.15	34.92	290	184	Average	VERTICAL
3	5465.00	64.77	74.00	-9.23	56.80	7.72	35.17	34.92	290	184	Peak	VERTICAL
4	5467.00	52.41	54.00	-1.59	44.44	7.72	35.17	34.92	290	184	Average	VERTICAL
5	5640.00	103.27			95.07	7.90	35.23	34.93	290	184	Peak	VERTICAL
6	5643.00	92.19			84.01	7.88	35.23	34.93	290	184	Average	VERTICAL
7	5733.00	47.99	54.00	-6.01	39.89	7.79	35.25	34.94	290	184	Average	VERTICAL
8	5735.00	61.29	74.00	-12.71	53.19	7.79	35.25	34.94	290	184	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

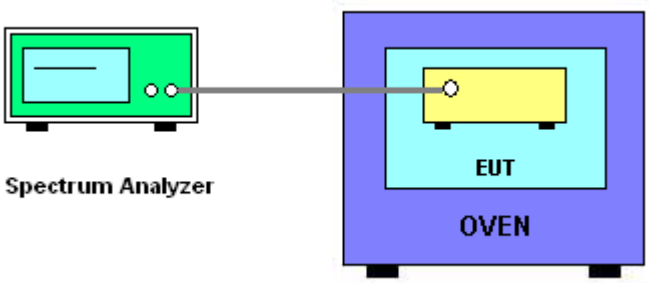
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is -30°C~70°C.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Temperature	22°C	Humidity	54%
Test Engineer	Gary Chu	Test Date	Aug. 05, 2016

Mode: 20 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9832	5579.9826	5579.9818	5579.9815
110.00	5579.9822	5579.9820	5579.9816	5579.9812
93.50	5579.9819	5579.9818	5579.9817	5579.9815
Max. Deviation (MHz)	0.0181	0.0182	0.0184	0.0188
Max. Deviation (ppm)	3.24	3.26	3.30	3.37
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5579.9874	5579.9872	5579.9863	5579.9855
-20	5579.9870	5579.9868	5579.9865	5579.9859
-10	5579.9851	5579.9849	5579.9843	5579.9836
0	5579.9846	5579.9839	5579.9829	5579.9825
10	5579.9834	5579.9833	5579.9831	5579.9830
20	5579.9822	5579.9815	5579.9807	5579.9799
30	5579.9813	5579.9807	5579.9805	5579.9796
40	5579.9805	5579.9798	5579.9791	5579.9788
50	5579.9811	5579.9801	5579.9793	5579.9784
60	5579.9808	5579.9803	5579.9794	5579.9787
70	5579.9787	5579.9779	5579.9774	5579.9767
Max. Deviation (MHz)	0.0213	0.0221	0.0226	0.0233
Max. Deviation (ppm)	3.81	3.96	4.04	4.17
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9829	5784.9822	5784.9820	5784.9811
110.00	5784.9822	5784.9815	5784.9813	5784.9804
93.50	5784.9819	5784.9810	5784.9803	5784.9801
Max. Deviation (MHz)	0.0181	0.0190	0.0197	0.0199
Max. Deviation (ppm)	3.13	3.28	3.41	3.44
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5784.9879	5784.9870	5784.9867	5784.9864
-20	5784.9860	5784.9858	5784.9857	5784.9848
-10	5784.9854	5784.9845	5784.9836	5784.9833
0	5784.9848	5784.9841	5784.9837	5784.9835
10	5784.9832	5784.9830	5784.9821	5784.9818
20	5784.9822	5784.9820	5784.9815	5784.9805
30	5784.9813	5784.9808	5784.9800	5784.9797
40	5784.9803	5784.9800	5784.9791	5784.9789
50	5784.9811	5784.9807	5784.9805	5784.9799
60	5784.9804	5784.9803	5784.9799	5784.9796
70	5784.9800	5784.9797	5784.9795	5784.9793
Max. Deviation (MHz)	0.0200	0.0203	0.0209	0.0211
Max. Deviation (ppm)	3.45	3.50	3.61	3.64
Result	Complies			

Mode: 40 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9832	5549.9827	5549.9819	5549.9812
110.00	5549.9822	5549.9819	5549.9818	5549.9815
93.50	5549.9820	5549.9816	5549.9807	5549.9803
Max. Deviation (MHz)	0.0180	0.0184	0.0193	0.0197
Max. Deviation (ppm)	3.24	3.32	3.48	3.55
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5549.9859	5549.9850	5549.9848	5549.9840
-20	5549.9842	5549.9840	5549.9830	5549.9828
-10	5549.9838	5549.9837	5549.9836	5549.9834
0	5549.9835	5549.9828	5549.9825	5549.9819
10	5549.9825	5549.9821	5549.9818	5549.9817
20	5549.9822	5549.9818	5549.9814	5549.9809
30	5549.9813	5549.9803	5549.9801	5549.9798
40	5549.9806	5549.9801	5549.9799	5549.9796
50	5549.9797	5549.9787	5549.9781	5549.9778
60	5549.9807	5549.9797	5549.9790	5549.9789
70	5549.9799	5549.9796	5549.9794	5549.9787
Max. Deviation (MHz)	0.0201	0.0204	0.0206	0.0213
Max. Deviation (ppm)	3.62	3.67	3.71	3.83
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9824	5754.9822	5754.9813	5754.9804
110.00	5754.9822	5754.9814	5754.9806	5754.9803
93.50	5754.9818	5754.9816	5754.9810	5754.9800
Max. Deviation (MHz)	0.0182	0.0186	0.0194	0.0200
Max. Deviation (ppm)	3.16	3.23	3.37	3.48
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5754.9872	5754.9865	5754.9863	5754.9862
-20	5754.9863	5754.9856	5754.9851	5754.9848
-10	5754.9858	5754.9848	5754.9842	5754.9836
0	5754.9838	5754.9834	5754.9828	5754.9825
10	5754.9833	5754.9825	5754.9822	5754.9812
20	5754.9822	5754.9814	5754.9810	5754.9808
30	5754.9813	5754.9808	5754.9803	5754.9794
40	5754.9811	5754.9808	5754.9803	5754.9794
50	5754.9804	5754.9799	5754.9791	5754.9783
60	5754.9806	5754.9801	5754.9793	5754.9789
70	5754.9802	5754.9796	5754.9795	5754.9789
Max. Deviation (MHz)	0.0198	0.0204	0.0205	0.0211
Max. Deviation (ppm)	3.44	3.54	3.56	3.66
Result	Complies			

Mode: 80 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9828	5529.9824	5529.9820	5529.9817
110.00	5529.9822	5529.9817	5529.9808	5529.9798
93.50	5529.9817	5529.9812	5529.9808	5529.9798
Max. Deviation (MHz)	0.0183	0.0188	0.0192	0.0202
Max. Deviation (ppm)	3.31	3.40	3.47	3.65
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9885	5529.9875	5529.9871	5529.9870
-20	5529.9867	5529.9863	5529.9862	5529.9854
-10	5529.9863	5529.9861	5529.9858	5529.9852
0	5529.9850	5529.9848	5529.9843	5529.9837
10	5529.9830	5529.9826	5529.9820	5529.9814
20	5529.9822	5529.9817	5529.9808	5529.9802
30	5529.9813	5529.9810	5529.9806	5529.9803
40	5529.9812	5529.9810	5529.9801	5529.9792
50	5529.9799	5529.9792	5529.9784	5529.9776
60	5529.9798	5529.9790	5529.9787	5529.9785
70	5529.9801	5529.9799	5529.9798	5529.9794
Max. Deviation (MHz)	0.0199	0.0201	0.0202	0.0208
Max. Deviation (ppm)	3.59	3.63	3.65	3.76
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9825	5774.9817	5774.9812	5774.9811
110.00	5774.9822	5774.9813	5774.9806	5774.9800
93.50	5774.9817	5774.9808	5774.9805	5774.9802
Max. Deviation (MHz)	0.0183	0.0192	0.0195	0.0200
Max. Deviation (ppm)	3.17	3.32	3.38	3.46
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5774.9885	5774.9876	5774.9868	5774.9859
-20	5774.9867	5774.9863	5774.9858	5774.9850
-10	5774.9859	5774.9856	5774.9847	5774.9838
0	5774.9839	5774.9832	5774.9829	5774.9823
10	5774.9833	5774.9825	5774.9815	5774.9805
20	5774.9822	5774.9816	5774.9812	5774.9807
30	5774.9813	5774.9809	5774.9799	5774.9797
40	5774.9802	5774.9801	5774.9796	5774.9792
50	5774.9796	5774.9787	5774.9782	5774.9775
60	5774.9807	5774.9800	5774.9796	5774.9787
70	5774.9787	5774.9781	5774.9777	5774.9774
Max. Deviation (MHz)	0.0213	0.0219	0.0223	0.0226
Max. Deviation (ppm)	3.68	3.79	3.86	3.91
Result	Complies			

4.9. Antenna Requirements

4.9.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.9.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
Bilog Antenna	SCHAFFNER	CBL 6112B	2888	30MHz ~ 1GHz	Nov. 17, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 13, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%